

| Product code   | Description                                |
|----------------|--------------------------------------------|
| <b>QCK-900</b> | <b>QualityCheck Waste Water Series Kit</b> |

## Components:

|         |                                            |
|---------|--------------------------------------------|
| QCM-100 | QualityCheck Volatiles Sample (1X2 mL)     |
| QCM-200 | QualityCheck Pesticides Sample (1X2 mL)    |
| QCM-220 | QualityCheck Toxaphene Sample (1X2 mL)     |
| QCM-230 | QualityCheck Chlordane Sample (1X2 mL)     |
| QCM-240 | QualityCheck PCBs Sample (1X2 mL)          |
| QCM-300 | QualityCheck Base/Neutrals Sample (1X2 mL) |
| QCM-400 | QualityCheck acids sample (1 x 2 mL)       |

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

### 1 Identification

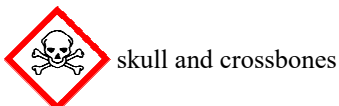
- **Product identifier**
- **Trade name:** QualityCheck Volatiles Sample (1X2 mL)
- **Part number:** QCM-100
- **Relevant identified uses of the substance or mixture and uses advised against**  
Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia
- **Further information obtainable from:**  
Telephone: 1800 802 402  
e-mail: pdl-msds\_author@agilent.com
- **Emergency telephone number:** CHEMTREC®: +(61) - 290372994

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Acute Tox. 3 H331 Toxic if inhaled.



Muta. 1B H340 May cause genetic defects.

Carc. 1A H350 May cause cancer.

STOT SE 1 H370 Causes damage to organs.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



Acute Tox. 4 H312 Harmful in contact with skin.

- **Label elements**

- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).  
(Contd. on page 2)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 1)

**· Hazard pictograms**

**· Signal word Danger**
**· Hazard-determining components of labelling:**

methanol  
benzene  
1,1,2,2-tetrachloroethane  
1,2-dichloroethane

**· Hazard statements**

Highly flammable liquid and vapour.  
Harmful in contact with skin.  
Toxic if inhaled.  
May cause genetic defects.  
May cause cancer.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.

**· Precautionary statements**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF exposed or concerned: Get medical advice/attention.  
Call a POISON CENTER/doctor if you feel unwell.  
Get medical advice/attention if you feel unwell.  
Specific measures (see on this label).  
Wash contaminated clothing before reuse.  
In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 3)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

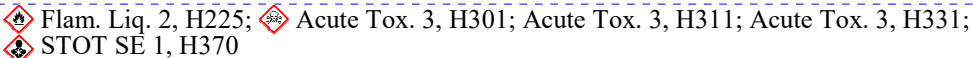
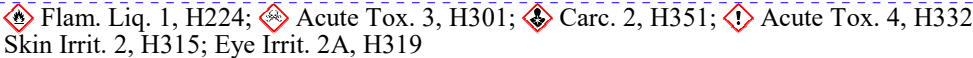
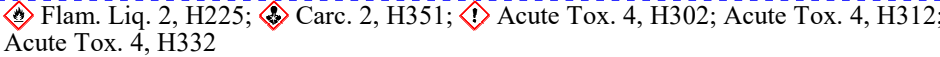
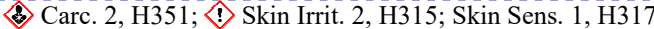
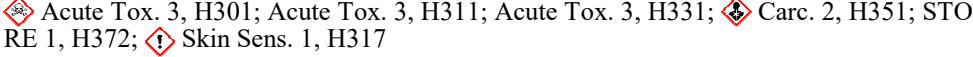
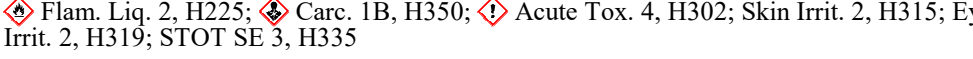
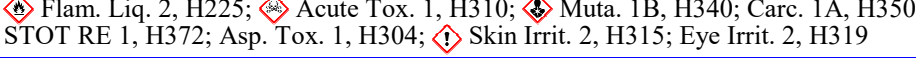
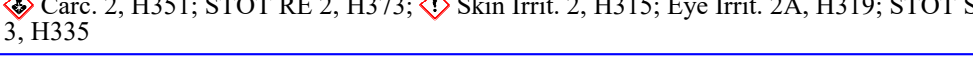
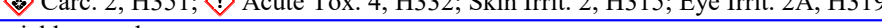
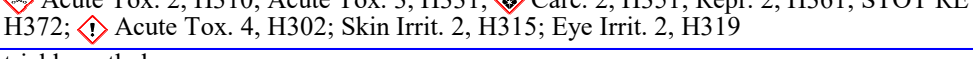
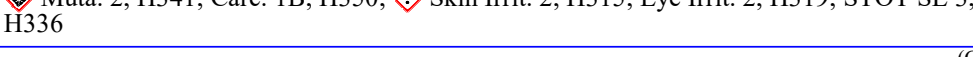
(Contd. of page 2)

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

#### · Dangerous components:

|          |                                                                                      |         |
|----------|--------------------------------------------------------------------------------------|---------|
| 67-56-1  | methanol                                                                             | 92.592% |
|          |    |         |
| 75-35-4  | 1,1-dichloroethylene                                                                 | 0.379%  |
|          |    |         |
| 79-00-5  | 1,1,2-trichloroethane                                                                | 0.379%  |
|          |    |         |
| 127-18-4 | tetrachloroethylene                                                                  | 0.379%  |
|          |   |         |
| 56-23-5  | carbon tetrachloride                                                                 | 0.379%  |
|          |  |         |
| 107-06-2 | 1,2-dichloroethane                                                                   | 0.379%  |
|          |  |         |
| 71-43-2  | benzene                                                                              | 0.303%  |
|          |  |         |
| 108-88-3 | toluene                                                                              | 0.303%  |
|          |  |         |
| 75-09-2  | dichloromethane                                                                      | 0.303%  |
|          |  |         |
| 106-46-7 | 1,4-dichlorobenzene                                                                  | 0.303%  |
|          |   |         |
| 71-55-6  | 1,1,1-trichloroethane                                                                | 0.253%  |
|          |  |         |
| 67-66-3  | trichloromethane                                                                     | 0.253%  |
|          |  |         |
| 79-01-6  | trichloroethylene                                                                    | 0.253%  |
|          |  |         |

(Contd. on page 4)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 3)

|               |                                                                                                                                                                                                                                                                                                                                                 |        |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 75-27-4       | bromodichloromethane                                                                                                                                                                                                                                                                                                                            | 0.253% |
|               |  Carc. 2, H351;  Eye Dam. 1, H318;  Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335 |        |
| · <b>SVHC</b> |                                                                                                                                                                                                                                                                                                                                                 |        |
| 107-06-2      | 1,2-dichloroethane                                                                                                                                                                                                                                                                                                                              |        |
| 79-01-6       | trichloroethylene                                                                                                                                                                                                                                                                                                                               |        |

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

#### 4 First Aid Measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

#### 5 Fire Fighting Measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

· **Advice for firefighters**

· **Protective equipment:** Mouth respiratory protective device.

#### 6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

(Contd. on page 5)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 4)

- **Methods and material for containment and cleaning up:**  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Dispose contaminated material as waste according to item 13.  
 Ensure adequate ventilation.
- **Reference to other sections**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

## 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
 Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
 Keep container tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**
**67-56-1 methanol**

|     |                                                                                                             |
|-----|-------------------------------------------------------------------------------------------------------------|
| NES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |
|-----|-------------------------------------------------------------------------------------------------------------|

|     |                                                                                                             |
|-----|-------------------------------------------------------------------------------------------------------------|
| WES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |
|-----|-------------------------------------------------------------------------------------------------------------|

**75-35-4 1,1-dichloroethylene**

|     |                                                                                                  |
|-----|--------------------------------------------------------------------------------------------------|
| NES | Short-term value: 79 mg/m <sup>3</sup> , 20 ppm<br>Long-term value: 20 mg/m <sup>3</sup> , 5 ppm |
|-----|--------------------------------------------------------------------------------------------------|

|     |                                                                                                  |
|-----|--------------------------------------------------------------------------------------------------|
| WES | Short-term value: 79 mg/m <sup>3</sup> , 20 ppm<br>Long-term value: 20 mg/m <sup>3</sup> , 5 ppm |
|-----|--------------------------------------------------------------------------------------------------|

(Contd. on page 6)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 5)

**79-00-5 1,1,2-trichloroethane**

NES Long-term value: 55 mg/m<sup>3</sup>, 10 ppm  
Sk

WES Long-term value: 55 mg/m<sup>3</sup>, 10 ppm  
Sk

**127-18-4 tetrachloroethylene**

NES Short-term value: 1020 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 340 mg/m<sup>3</sup>, 50 ppm

WES Short-term value: 1020 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 340 mg/m<sup>3</sup>, 50 ppm

**56-23-5 carbon tetrachloride**

NES Long-term value: 0.63 mg/m<sup>3</sup>, 0.1 ppm  
Sk

WES Long-term value: 0.63 mg/m<sup>3</sup>, 0.1 ppm  
Sk

**107-06-2 1,2-dichloroethane**

NES Long-term value: 40 mg/m<sup>3</sup>, 10 ppm

WES Long-term value: 40 mg/m<sup>3</sup>, 10 ppm

**71-43-2 benzene**

NES Long-term value: 3.2 mg/m<sup>3</sup>, 1 ppm

WES Long-term value: 3.2 mg/m<sup>3</sup>, 1 ppm

**108-88-3 toluene**

NES Short-term value: 574 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 191 mg/m<sup>3</sup>, 50 ppm  
Sk

WES Short-term value: 574 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 191 mg/m<sup>3</sup>, 50 ppm  
Sk

**75-09-2 dichloromethane**

NES Long-term value: 174 mg/m<sup>3</sup>, 50 ppm  
Sk

WES Long-term value: 174 mg/m<sup>3</sup>, 50 ppm  
Sk

**106-46-7 1,4-dichlorobenzene**

NES Short-term value: 300 mg/m<sup>3</sup>, 50 ppm  
Long-term value: 150 mg/m<sup>3</sup>, 25 ppm

WES Short-term value: 300 mg/m<sup>3</sup>, 50 ppm  
Long-term value: 150 mg/m<sup>3</sup>, 25 ppm

**71-55-6 1,1,1-trichloroethane**

NES Short-term value: 1110 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 555 mg/m<sup>3</sup>, 100 ppm

WES Short-term value: 1110 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 555 mg/m<sup>3</sup>, 100 ppm

(Contd. on page 7)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 6)

**67-66-3 trichloromethane**

|     |                                                     |
|-----|-----------------------------------------------------|
| NES | Long-term value: 10 mg/m <sup>3</sup> , 2 ppm<br>Sk |
| WES | Long-term value: 10 mg/m <sup>3</sup> , 2 ppm<br>Sk |

**79-01-6 trichloroethylene**

|     |                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------|
| NES | Short-term value: 216 mg/m <sup>3</sup> , 40 ppm<br>Long-term value: 54 mg/m <sup>3</sup> , 10 ppm<br>Sk |
| WES | Short-term value: 216 mg/m <sup>3</sup> , 40 ppm<br>Long-term value: 54 mg/m <sup>3</sup> , 10 ppm<br>Sk |

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

When used as intended with Agilent instruments the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.

Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device equipment with appropriate organic or acid gas cartridge.

· **Protection of hands:**

Although not recommended for constant contact with the chemicals or for clean up, nitrile gloves 11-13mil thickness are recommended for normal use. The breakthrough time is 1hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.

· **Material of gloves**

For normal use: nitrile rubber, 11-13 mil thickness

For direct contact with the chemical: butyl rubber, 12-15 mil thickness

· **Penetration time of glove material**

For normal use: nitrile rubber: 1 hour

For direct contact with the chemical: butyl rubber: > 4 hours

· **Eye protection:**



Tightly sealed goggles

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(Contd. on page 8)



## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

Trade name: QualityCheck Volatiles Sample (1X2 mL)

(Contd. of page 7)

### 9 Physical and Chemical Properties

- Information on basic physical and chemical properties

- General Information

- Appearance:

|                  |                 |
|------------------|-----------------|
| Form:            | Fluid           |
| Colour:          | Colourless      |
| Odour:           | Alcohol-like    |
| Odour threshold: | Not determined. |

- pH-value: Not determined.

- Change in condition

|                                          |         |
|------------------------------------------|---------|
| Melting point/freezing point:            | -98 °C  |
| Initial boiling point and boiling range: | 64.7 °C |

- Flash point: 9 °C

- Flammability (solid, gas): Not applicable.

- Ignition temperature: 455 °C

- Decomposition temperature: Not determined.

- Auto-ignition temperature: Product is not selfigniting.

- Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 5.5 Vol % |
| Upper: | 44 Vol %  |

- Vapour pressure at 20 °C: 100 hPa

- Density at 20 °C: 0.84204 g/cm<sup>3</sup>

- Relative density: Not determined.

- Vapour density: Not determined.

- Evaporation rate: Not determined.

- Solubility in / Miscibility with water:

Not miscible or difficult to mix.

- Partition coefficient: n-octanol/water: Not determined.

- Viscosity:

|            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

- Solvent content:

|                   |         |
|-------------------|---------|
| Organic solvents: | 96.8 %  |
| VOC (EC)          | 96.81 % |

- Solids content: 0.3 %

- Other information: No further relevant information available.

### 10 Stability and Reactivity

- Reactivity: No further relevant information available.

(Contd. on page 9)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 8)

- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological Information

### · Information on toxicological effects

#### · Acute toxicity

#### · LD/LC50 values relevant for classification:

##### ATE (Acute Toxicity Estimates)

|            |          |                    |
|------------|----------|--------------------|
| Oral       | LD50     | 25,288 mg/kg (rat) |
| Dermal     | LD50     | 1,169 mg/kg        |
| Inhalative | LC50/4 h | 3.13 mg/L          |

##### 67-56-1 methanol

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 5,628 mg/kg (rat)     |
| Dermal | LD50 | 15,800 mg/kg (rabbit) |

##### 75-35-4 1,1-dichloroethylene

|            |          |                    |
|------------|----------|--------------------|
| Oral       | LD50     | 200 mg/kg (rat)    |
| Inhalative | LC50/4 h | 6,350 mg/L (mouse) |

##### 79-34-5 1,1,2,2-tetrachloroethane

|      |      |                 |
|------|------|-----------------|
| Oral | LD50 | 200 mg/kg (rat) |
|------|------|-----------------|

##### 79-00-5 1,1,2-trichloroethane

|      |      |                 |
|------|------|-----------------|
| Oral | LD50 | 836 mg/kg (rat) |
|------|------|-----------------|

##### 127-18-4 tetrachloroethylene

|            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | 2,629 mg/kg (rat) |
| Inhalative | LC50/4 h | 4,000 mg/L (rat)  |

##### 56-23-5 carbon tetrachloride

|        |      |                   |
|--------|------|-------------------|
| Oral   | LD50 | 2,350 mg/kg (rat) |
| Dermal | LD50 | 5,070 mg/kg (rat) |

##### 107-06-2 1,2-dichloroethane

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 670 mg/kg (rat)      |
| Dermal | LD50 | 2,800 mg/kg (rat)    |
|        |      | 2,800 mg/kg (rabbit) |

##### 95-50-1 1,2-dichlorobenzene

|        |      |                        |
|--------|------|------------------------|
| Oral   | LD50 | 500 mg/kg (rat)        |
| Dermal | LD50 | >10,000 mg/kg (rabbit) |

##### 71-43-2 benzene

|        |      |                   |
|--------|------|-------------------|
| Oral   | LD50 | 3,340 mg/kg (rat) |
| Dermal | LD50 | 48 mg/kg (mouse)  |

(Contd. on page 10)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 9)

|                                      |          |                                             |
|--------------------------------------|----------|---------------------------------------------|
| Inhalative                           | LC50/4 h | >8,260 mg/kg (rabbit)<br>9,980 mg/L (mouse) |
| <b>108-88-3 toluene</b>              |          |                                             |
| Oral                                 | LD50     | 5,580 mg/kg (rat)                           |
| Dermal                               | LD50     | 12,124 mg/kg (rabbit)                       |
| Inhalative                           | LC50/4 h | 5,320 mg/L (mouse)<br>28.1 mg/L (rat)       |
| <b>75-09-2 dichloromethane</b>       |          |                                             |
| Oral                                 | LD50     | 1,600 mg/kg (rat)                           |
| Dermal                               | LD50     | >2,000 mg/kg (rat)                          |
| Inhalative                           | LC50/4 h | 88 mg/L (rat)                               |
| <b>106-46-7 1,4-dichlorobenzene</b>  |          |                                             |
| Oral                                 | LD50     | >2,000 mg/kg (rat)                          |
| Dermal                               | LD50     | >2,000 mg/kg (rat)                          |
| Inhalative                           | LC50/4 h | >5.07 mg/L (rat)                            |
| <b>71-55-6 1,1,1-trichloroethane</b> |          |                                             |
| Oral                                 | LD50     | 10,300 mg/kg (rat)                          |
| <b>67-66-3 trichloromethane</b>      |          |                                             |
| Oral                                 | LD50     | 908 mg/kg (rat)                             |
| Dermal                               | LD50     | 75 mg/kg (rat)<br>>20,000 mg/kg (rabbit)    |
| <b>79-01-6 trichloroethylene</b>     |          |                                             |
| Oral                                 | LD50     | 2,402 mg/kg (mouse)<br>4,290 mg/kg (rat)    |
| Dermal                               | LD50     | 8,450 mg/kg (mouse)                         |
| <b>75-27-4 bromodichloromethane</b>  |          |                                             |
| Oral                                 | LD50     | 450 mg/kg (mouse)                           |

· **Primary irritant effect:**

· **Skin corrosion/irritation** No irritant effect.

· **Serious eye damage/irritation** No irritating effect.

· **Respiratory or skin sensitisation** No sensitising effects known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Toxic

Harmful

The product can cause inheritable damage.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Muta. 1B, Carc. 1A

## 12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

(Contd. on page 11)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 10)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
 Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
 Danger to drinking water if even extremely small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                                                                     |                        |
|-------------------------------------------------------------------------------------|------------------------|
| · <b>UN-Number</b>                                                                  |                        |
| · <b>ADG, IMDG, IATA</b>                                                            | UN1230                 |
| · <b>UN proper shipping name</b>                                                    |                        |
| · <b>ADG</b>                                                                        | 1230 METHANOL solution |
| · <b>IMDG, IATA</b>                                                                 | METHANOL solution      |
| · <b>Transport hazard class(es)</b>                                                 |                        |
| · <b>ADG</b>                                                                        |                        |
|  |                        |
| · <b>Class</b>                                                                      | 3 Flammable liquids.   |
| · <b>Label</b>                                                                      | 3+6.1                  |
| · <b>IMDG</b>                                                                       |                        |
|  |                        |
| · <b>Class</b>                                                                      | 3 Flammable liquids.   |

(Contd. on page 12)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 11)

|                                                                                                                                                                     |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| · <b>Label</b>                                                                                                                                                      | 3/6.1                                                                                                           |
| · <b>IATA</b>                                                                                                                                                       |                                                                                                                 |
|   |                                                                                                                 |
| · <b>Class</b>                                                                                                                                                      | 3 Flammable liquids.                                                                                            |
| · <b>Label</b>                                                                                                                                                      | 3 (6.1)                                                                                                         |
| · <b>Packing group</b>                                                                                                                                              |                                                                                                                 |
| · <b>ADG, IMDG, IATA</b>                                                                                                                                            | II                                                                                                              |
| · <b>Environmental hazards:</b>                                                                                                                                     | Not applicable.                                                                                                 |
| · <b>Special precautions for user</b>                                                                                                                               | Warning: Flammable liquids.                                                                                     |
| · <b>Danger code (Kemler):</b>                                                                                                                                      | 336                                                                                                             |
| · <b>EMS Number:</b>                                                                                                                                                | F-E,S-D                                                                                                         |
| · <b>Stowage Category</b>                                                                                                                                           | B                                                                                                               |
| · <b>Stowage Code</b>                                                                                                                                               | SW2 Clear of living quarters.                                                                                   |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>                                                                                         | Not applicable.                                                                                                 |
| · <b>Transport/Additional information:</b>                                                                                                                          |                                                                                                                 |
| · <b>ADG</b>                                                                                                                                                        |                                                                                                                 |
| · <b>Limited quantities (LQ)</b>                                                                                                                                    | 1L                                                                                                              |
| · <b>Excepted quantities (EQ)</b>                                                                                                                                   | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>Transport category</b>                                                                                                                                         | 2                                                                                                               |
| · <b>Tunnel restriction code</b>                                                                                                                                    | D/E                                                                                                             |
| · <b>IMDG</b>                                                                                                                                                       |                                                                                                                 |
| · <b>Limited quantities (LQ)</b>                                                                                                                                    | 1L                                                                                                              |
| · <b>Excepted quantities (EQ)</b>                                                                                                                                   | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>                                                                                                                                     | UN 1230 METHANOL SOLUTION, 3 (6.1), II                                                                          |

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**

|          |                           |
|----------|---------------------------|
| 67-56-1  | methanol                  |
| 108-10-1 | 4-methylpentan-2-one      |
| 75-35-4  | 1,1-dichloroethylene      |
| 79-34-5  | 1,1,2,2-tetrachloroethane |
| 79-00-5  | 1,1,2-trichloroethane     |
| 127-18-4 | tetrachloroethylene       |

(Contd. on page 13)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 12)

|          |                        |
|----------|------------------------|
| 56-23-5  | carbon tetrachloride   |
| 107-06-2 | 1,2-dichloroethane     |
| 78-87-5  | 1,2-dichloropropane    |
| 95-50-1  | 1,2-dichlorobenzene    |
| 541-73-1 | 1,3-dichlorobenzene    |
| 71-43-2  | benzene                |
| 108-88-3 | toluene                |
| 100-41-4 | ethylbenzene           |
| 75-09-2  | dichloromethane        |
| 106-46-7 | 1,4-dichlorobenzene    |
| 156-60-5 | trans-dichloroethylene |
| 108-90-7 | chlorobenzene          |
| 71-55-6  | 1,1,1-trichloroethane  |
| 67-66-3  | trichloromethane       |
| 79-01-6  | trichloroethylene      |
| 75-25-2  | bromoform              |

#### · Standard for the Uniform Scheduling of Medicines and Poisons

|          |                           |              |
|----------|---------------------------|--------------|
| 67-56-1  | methanol                  | S5, S6       |
| 108-10-1 | 4-methylpentan-2-one      | S5           |
| 79-34-5  | 1,1,2,2-tetrachloroethane | S7S9-S3S4-S5 |
| 127-18-4 | tetrachloroethylene       | S2, S5, S6   |
| 56-23-5  | carbon tetrachloride      | S7           |
| 107-06-2 | 1,2-dichloroethane        | S6           |
| 78-87-5  | 1,2-dichloropropane       | S6           |
| 95-50-1  | 1,2-dichlorobenzene       | S6           |
| 71-43-2  | benzene                   | S7           |
| 108-88-3 | toluene                   | S6           |
| 75-09-2  | dichloromethane           | S5           |
| 106-46-7 | 1,4-dichlorobenzene       | S5           |
| 71-55-6  | 1,1,1-trichloroethane     | S5, S10      |
| 67-66-3  | trichloromethane          | S2, S4, S6   |
| 79-01-6  | trichloroethylene         | S4, S6       |
| 75-25-2  | bromoform                 | S4, S6       |

#### · Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

#### · Seveso category

H2 ACUTE TOXIC

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

(Contd. on page 14)

AU

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 13)

- **National regulations:**
  - **Additional classification according to Decree on Hazardous Materials, Annex II:**  
Carcinogenic hazardous material group III (dangerous).
  - **Information about limitation of use:**  
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.  
Exceptions can be made by the authorities in certain cases.
  - **Other regulations, limitations and prohibitive regulations**
  - **Substances of very high concern (SVHC) according to REACH, Article 57**
- |          |                    |
|----------|--------------------|
| 107-06-2 | 1,2-dichloroethane |
| 79-01-6  | trichloroethylene  |
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

- **Relevant phrases**  
H224 Extremely flammable liquid and vapour.  
H225 Highly flammable liquid and vapour.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H310 Fatal in contact with skin.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H340 May cause genetic defects.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H370 Causes damage to organs.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.
- **Department issuing SDS:** Document Control / Regulatory
- **Contact:** regulatory@ultrasci.com
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances

(Contd. on page 15)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Volatiles Sample (1X2 mL)**

(Contd. of page 14)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 1: Flammable liquids – Category 1

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 1: Acute toxicity – Category 1

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 1B: Germ cell mutagenicity – Category 1B

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 1A: Carcinogenicity – Category 1A

Carc. 1B: Carcinogenicity – Category 1B

Carc. 2: Carcinogenicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

· **\* Data compared to the previous version altered.**

AU

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

### 1 Identification

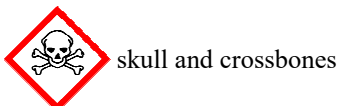
- **Product identifier**
- **Trade name:** QualityCheck Pesticides Sample (1X2 mL)
- **Part number:** QCM-200
- **Relevant identified uses of the substance or mixture and uses advised against**  
Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia
- **Further information obtainable from:**  
Telephone: 1800 802 402  
e-mail: pdl-msds\_author@agilent.com
- **Emergency telephone number:** CHEMTREC®: +(61) - 290372994

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Acute Tox. 3 H331 Toxic if inhaled.



STOT SE 1 H370 Causes damage to organs.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



- **Signal word** Danger
- **Hazard-determining components of labelling:**  
methanol
- **Hazard statements**  
Highly flammable liquid and vapour.  
Toxic if inhaled.

(Contd. on page 2)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

(Contd. of page 1)

Causes damage to organs.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF exposed: Call a POISON CENTER or doctor/physician.

Specific treatment (see on this label).

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

|         |                                                                                                                                                                                                                                                         |         |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 67-56-1 | methanol                                                                                                                                                                                                                                                | 99.965% |
|         |  Flam. Liq. 2, H225;  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; |         |
|         |  STOT SE 1, H370                                                                                                                                                     |         |

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

(Contd. of page 2)

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 4)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

(Contd. of page 3)

- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

### 67-56-1 methanol

|     |                                                                                                             |
|-----|-------------------------------------------------------------------------------------------------------------|
| NES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |
| WES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.
- **Respiratory protection:**  
When used as intended with Agilent instruments the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.  
Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device equipment with appropriate organic or acid gas cartridge.
- **Protection of hands:**  
Although not recommended for constant contact with the chemicals or for clean up, nitrile gloves 11-13mil thickness are recommended for normal use. The breakthrough time is 1hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.
- **Material of gloves**  
For normal use: nitrile rubber, 11-13 mil thickness  
For direct contact with the chemical: butyl rubber, 12-15 mil thickness
- **Penetration time of glove material**  
For normal use: nitrile rubber: 1 hour  
For direct contact with the chemical: butyl rubber: > 4 hours

(Contd. on page 5)

AU

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

(Contd. of page 4)

· Eye protection:



Tightly sealed goggles

### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

|                  |                 |
|------------------|-----------------|
| Form:            | Fluid           |
| Colour:          | Colourless      |
| Odour:           | Alcohol-like    |
| Odour threshold: | Not determined. |

· pH-value: Not determined.

· Change in condition

|                                          |         |
|------------------------------------------|---------|
| Melting point/freezing point:            | -98 °C  |
| Initial boiling point and boiling range: | 64.7 °C |

· Flash point: 9 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 455 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 5.5 Vol % |
| Upper: | 44 Vol %  |

· Vapour pressure at 20 °C: 100 hPa

|                   |                       |
|-------------------|-----------------------|
| Density at 20 °C: | 0.8 g/cm <sup>3</sup> |
| Relative density  | Not determined.       |
| Vapour density    | Not determined.       |
| Evaporation rate  | Not determined.       |

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

|            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

· Solvent content:

Organic solvents: 100.0 %

(Contd. on page 6)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

(Contd. of page 5)

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>VOC (EC)</b>          | 99.97 %                                    |
| <b>Solids content:</b>   | 0.0 %                                      |
| <b>Other information</b> | No further relevant information available. |

## 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

**LD/LC50 values relevant for classification:**
**ATE (Acute Toxicity Estimates)**

|            |          |        |
|------------|----------|--------|
| Inhalative | LC50/4 h | 3 mg/L |
|------------|----------|--------|

**67-56-1 methanol**

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 5,628 mg/kg (rat)     |
| Dermal | LD50 | 15,800 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Toxic

## 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 7)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

(Contd. of page 6)

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>                                                 | <p style="margin-top: 0;">UN1230</p>                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | <p style="margin-top: 0;">1230 METHANOL solution<br/>METHANOL solution<br/>METHANOL mixture</p>                                                                                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG</b></li> </ul>                                            | <div style="display: flex; align-items: center; margin-bottom: 10px;">   </div> <p style="margin-top: 0;">3 Flammable liquids.<br/>3+6.1</p>   |
| <ul style="list-style-type: none"> <li>· <b>IMDG</b></li> </ul>                                                                                        | <div style="display: flex; align-items: center; margin-bottom: 10px;">   </div> <p style="margin-top: 0;">3 Flammable liquids.<br/>3/6.1</p>   |
| <ul style="list-style-type: none"> <li>· <b>IATA</b></li> </ul>                                                                                        | <div style="display: flex; align-items: center; margin-bottom: 10px;">   </div> <p style="margin-top: 0;">3 Flammable liquids.<br/>3 (6.1)</p> |

(Contd. on page 8)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

(Contd. of page 7)

|                                                                                                                                                       |                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| · <b>Packing group</b><br>· <b>ADG, IMDG, IATA</b>                                                                                                    | II                                                                                                                    |
| · <b>Environmental hazards:</b>                                                                                                                       | Not applicable.                                                                                                       |
| · <b>Special precautions for user</b><br>· <b>Danger code (Kemler):</b><br>· <b>EMS Number:</b><br>· <b>Stowage Category</b><br>· <b>Stowage Code</b> | Warning: Flammable liquids.<br>336<br>F-E,S-D<br>B<br>SW2 Clear of living quarters.                                   |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>                                                                           | Not applicable.                                                                                                       |
| · <b>Transport/Additional information:</b>                                                                                                            |                                                                                                                       |
| · <b>ADG</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Excepted quantities (EQ)</b>                                                                 | 1L<br>Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>Transport category</b><br>· <b>Tunnel restriction code</b>                                                                                       | 2<br>D/E                                                                                                              |
| · <b>IMDG</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Excepted quantities (EQ)</b>                                                                | 1L<br>Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>                                                                                                                       | UN 1230 METHANOL SOLUTION, 3 (6.1), II                                                                                |

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**

|            |                                                                            |
|------------|----------------------------------------------------------------------------|
| 67-56-1    | methanol                                                                   |
| 72-20-8    | endrin (ISO)                                                               |
| 959-98-8   | endosulfan I                                                               |
| 33213-65-9 | endosulfan II                                                              |
| 1031-07-8  | endosulfan sulfate                                                         |
| 319-84-6   | alpha-BHC (alpha-HCH)                                                      |
| 319-85-7   | (1alpha,2beta,3alpha,4beta,5alpha,6beta)-1,2,3,4,5,6-hexachlorocyclohexane |
| 319-86-8   | delta-BHC (delta-HCH)                                                      |
| 58-89-9    | gamma-HCH or gamma-BHC                                                     |
| 72-43-5    | methoxychlor                                                               |
| 60-57-1    | dieldrin (ISO)                                                             |
| 309-00-2   | aldrin (ISO)                                                               |
| 72-55-9    | 2,2-bis(p-chlorophenyl)-1,1-dichloroethylene                               |

(Contd. on page 9)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

(Contd. of page 8)

|                                                                     |                                      |                |
|---------------------------------------------------------------------|--------------------------------------|----------------|
| 50-29-3                                                             | DDT (common name not adopted by ISO) |                |
| 72-54-8                                                             | TDE                                  |                |
| 76-44-8                                                             | heptachlor (ISO)                     |                |
| 1024-57-3                                                           | heptachlor epoxide - isomer B        |                |
| <b>Standard for the Uniform Scheduling of Medicines and Poisons</b> |                                      |                |
| 67-56-1                                                             | methanol                             | S5, S6         |
| 72-20-8                                                             | endrin (ISO)                         | S7             |
| 58-89-9                                                             | $\gamma$ -HCH or $\gamma$ -BHC       | S2, S4, S5, S6 |
| 72-43-5                                                             | methoxychlor                         | S5             |
| 60-57-1                                                             | dieldrin (ISO)                       | S6             |
| 309-00-2                                                            | aldrin (ISO)                         | S6             |
| 50-29-3                                                             | DDT (common name not adopted by ISO) | S10            |
| 72-54-8                                                             | TDE                                  | S5, S6         |
| 76-44-8                                                             | heptachlor (ISO)                     | S6             |

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
H2 ACUTE TOXIC  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

### · Relevant phrases

H225 Highly flammable liquid and vapour.  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H331 Toxic if inhaled.  
H370 Causes damage to organs.

### · Department issuing SDS: Document Control / Regulatory

· **Contact:** regulatory@ultrasci.com

### · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2

(Contd. on page 10)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Pesticides Sample (1X2 mL)**

Acute Tox. 3: Acute toxicity – Category 3

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

· **\* Data compared to the previous version altered.**

(Contd. of page 9)

AU

# Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

## 1 Identification

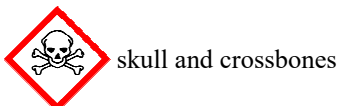
- **Product identifier**
- **Trade name:** QualityCheck Toxaphene Sample (1X2 mL)
- **Part number:** QCM-220
- **Relevant identified uses of the substance or mixture and uses advised against**  
Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia
- **Further information obtainable from:**  
Telephone: 1800 802 402  
e-mail: pdl-msds\_author@agilent.com
- **Emergency telephone number:** CHEMTREC®: +(61) - 290372994

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Acute Tox. 3 H331 Toxic if inhaled.



STOT SE 1 H370 Causes damage to organs.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



- **Signal word** Danger
- **Hazard-determining components of labelling:**  
methanol
- **Hazard statements**  
Highly flammable liquid and vapour.  
Toxic if inhaled.

(Contd. on page 2)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Toxaphene Sample (1X2 mL)**

(Contd. of page 1)

Causes damage to organs.

**· Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF exposed: Call a POISON CENTER or doctor/physician.

Specific treatment (see on this label).

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Other hazards**
**· Results of PBT and vPvB assessment**
**· PBT:** Not applicable.

**· vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

**· Chemical characterisation: Mixtures**
**· Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous components:**

|         |                                                                                                                                                                                                                                                         |         |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 67-56-1 | methanol                                                                                                                                                                                                                                                | 99.998% |
|         |  Flam. Liq. 2, H225;  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; |         |
|         |  STOT SE 1, H370                                                                                                                                                     |         |

**· Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

**· Description of first aid measures**
**· General information:**

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

**· After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

**· After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Toxaphene Sample (1X2 mL)**

(Contd. of page 2)

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 4)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Toxaphene Sample (1X2 mL)**

(Contd. of page 3)

- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

### 67-56-1 methanol

|     |                                                                                                             |
|-----|-------------------------------------------------------------------------------------------------------------|
| NES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |
| WES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.
- **Respiratory protection:**  
When used as intended with Agilent instruments the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.  
Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device equipment with appropriate organic or acid gas cartridge.
- **Protection of hands:**  
Although not recommended for constant contact with the chemicals or for clean up, nitrile gloves 11-13mil thickness are recommended for normal use. The breakthrough time is 1hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.
- **Material of gloves**  
For normal use: nitrile rubber, 11-13 mil thickness  
For direct contact with the chemical: butyl rubber, 12-15 mil thickness
- **Penetration time of glove material**  
For normal use: nitrile rubber: 1 hour  
For direct contact with the chemical: butyl rubber: > 4 hours

(Contd. on page 5)

AU

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Toxaphene Sample (1X2 mL)**

(Contd. of page 4)

· Eye protection:



Tightly sealed goggles

## 9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

|                  |                 |
|------------------|-----------------|
| Form:            | Fluid           |
| Colour:          | Colourless      |
| Odour:           | Alcohol-like    |
| Odour threshold: | Not determined. |

· pH-value: Not determined.

· Change in condition

|                                          |         |
|------------------------------------------|---------|
| Melting point/freezing point:            | -98 °C  |
| Initial boiling point and boiling range: | 64.7 °C |

· Flash point: 9 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 455 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 5.5 Vol % |
| Upper: | 44 Vol %  |

· Vapour pressure at 20 °C: 100 hPa

|                   |                           |
|-------------------|---------------------------|
| Density at 20 °C: | 0.80002 g/cm <sup>3</sup> |
| Relative density  | Not determined.           |
| Vapour density    | Not determined.           |
| Evaporation rate  | Not determined.           |

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

|            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

· Solvent content:

Organic solvents: 100.0 %

(Contd. on page 6)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Toxaphene Sample (1X2 mL)**

(Contd. of page 5)

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>VOC (EC)</b>          | 100.00 %                                   |
| <b>Solids content:</b>   | 0.0 %                                      |
| <b>Other information</b> | No further relevant information available. |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

**LD/LC50 values relevant for classification:**
**ATE (Acute Toxicity Estimates)**

|            |          |        |
|------------|----------|--------|
| Inhalative | LC50/4 h | 3 mg/L |
|------------|----------|--------|

**67-56-1 methanol**

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 5,628 mg/kg (rat)     |
| Dermal | LD50 | 15,800 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Toxic

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 7)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Toxaphene Sample (1X2 mL)**

(Contd. of page 6)

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                                                                                                                                        |                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>                                                 | <p>UN1230</p>                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | <p>1230 METHANOL solution<br/>METHANOL solution<br/>METHANOL mixture</p>                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG</b></li> </ul>                                            | <div style="display: flex; align-items: center;">   </div> <p>3 Flammable liquids.<br/>3+6.1</p>   |
| <ul style="list-style-type: none"> <li>· <b>IMDG</b></li> </ul>                                                                                        | <div style="display: flex; align-items: center;">   </div> <p>3 Flammable liquids.<br/>3/6.1</p>   |
| <ul style="list-style-type: none"> <li>· <b>IATA</b></li> </ul>                                                                                        | <div style="display: flex; align-items: center;">   </div> <p>3 Flammable liquids.<br/>3 (6.1)</p> |

(Contd. on page 8)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Toxaphene Sample (1X2 mL)**

(Contd. of page 7)

|                                                                                                                                                       |                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| · <b>Packing group</b><br>· <b>ADG, IMDG, IATA</b>                                                                                                    | II                                                                                                                    |
| · <b>Environmental hazards:</b>                                                                                                                       | Not applicable.                                                                                                       |
| · <b>Special precautions for user</b><br>· <b>Danger code (Kemler):</b><br>· <b>EMS Number:</b><br>· <b>Stowage Category</b><br>· <b>Stowage Code</b> | Warning: Flammable liquids.<br>336<br>F-E,S-D<br>B<br>SW2 Clear of living quarters.                                   |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>                                                                           | Not applicable.                                                                                                       |
| · <b>Transport/Additional information:</b>                                                                                                            |                                                                                                                       |
| · <b>ADG</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Excepted quantities (EQ)</b>                                                                 | 1L<br>Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>Transport category</b><br>· <b>Tunnel restriction code</b>                                                                                       | 2<br>D/E                                                                                                              |
| · <b>IMDG</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Excepted quantities (EQ)</b>                                                                | 1L<br>Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>                                                                                                                       | UN 1230 METHANOL SOLUTION, 3 (6.1), II                                                                                |

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

67-56-1 | methanol

S5, S6

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

H2 ACUTE TOXIC

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

AU

(Contd. on page 9)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Toxaphene Sample (1X2 mL)**

(Contd. of page 8)

### 16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H370 Causes damage to organs.

· **Department issuing SDS:** Document Control / Regulatory

· **Contact:** regulatory@ultrasci.com

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

· **\* Data compared to the previous version altered.**

AU

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

### 1 Identification

- **Product identifier**
- **Trade name:** QualityCheck Chlordane Sample (1X2 mL)
- **Part number:** QCM-230
- **Relevant identified uses of the substance or mixture and uses advised against**  
Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia
- **Further information obtainable from:**  
Telephone: 1800 802 402  
e-mail: pdl-msds\_author@agilent.com
- **Emergency telephone number:** CHEMTREC®: +(61) - 290372994

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.



health hazard

STOT SE 1 H370 Causes damage to organs.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS02



GHS06



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
methanol
- **Hazard statements**  
Highly flammable liquid and vapour.  
Toxic if inhaled.

(Contd. on page 2)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Chlordane Sample (1X2 mL)**

(Contd. of page 1)

Causes damage to organs.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF exposed: Call a POISON CENTER or doctor/physician.

Specific treatment (see on this label).

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

|         |                                                                                                                                                                                                                                                         |         |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 67-56-1 | methanol                                                                                                                                                                                                                                                | 99.998% |
|         |  Flam. Liq. 2, H225;  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; |         |
|         |  STOT SE 1, H370                                                                                                                                                     |         |

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)



## Safety Data Sheet according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Chlordane Sample (1X2 mL)**

(Contd. of page 2)

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 4)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Chlordane Sample (1X2 mL)**

(Contd. of page 3)

- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

### 67-56-1 methanol

|     |                                                                                                             |
|-----|-------------------------------------------------------------------------------------------------------------|
| NES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |
| WES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.
- **Respiratory protection:**  
When used as intended with Agilent instruments the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.  
Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device equipment with appropriate organic or acid gas cartridge.
- **Protection of hands:**  
Although not recommended for constant contact with the chemicals or for clean up, nitrile gloves 11-13mil thickness are recommended for normal use. The breakthrough time is 1hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.
- **Material of gloves**  
For normal use: nitrile rubber, 11-13 mil thickness  
For direct contact with the chemical: butyl rubber, 12-15 mil thickness
- **Penetration time of glove material**  
For normal use: nitrile rubber: 1 hour  
For direct contact with the chemical: butyl rubber: > 4 hours

(Contd. on page 5)

AU

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Chlordane Sample (1X2 mL)**

(Contd. of page 4)

· Eye protection:



Tightly sealed goggles

## 9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

|                  |                 |
|------------------|-----------------|
| Form:            | Fluid           |
| Colour:          | Colourless      |
| Odour:           | Alcohol-like    |
| Odour threshold: | Not determined. |

· pH-value: Not determined.

· Change in condition

|                                          |         |
|------------------------------------------|---------|
| Melting point/freezing point:            | -98 °C  |
| Initial boiling point and boiling range: | 64.7 °C |

· Flash point: 9 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 455 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 5.5 Vol % |
| Upper: | 44 Vol %  |

· Vapour pressure at 20 °C: 100 hPa

|                   |                           |
|-------------------|---------------------------|
| Density at 20 °C: | 0.80002 g/cm <sup>3</sup> |
| Relative density  | Not determined.           |
| Vapour density    | Not determined.           |
| Evaporation rate  | Not determined.           |

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

|            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

· Solvent content:

Organic solvents: 100.0 %

(Contd. on page 6)

AU

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Chlordane Sample (1X2 mL)**

(Contd. of page 5)

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>VOC (EC)</b>          | 100.00 %                                   |
| <b>Solids content:</b>   | 0.0 %                                      |
| <b>Other information</b> | No further relevant information available. |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

**LD/LC50 values relevant for classification:**
**ATE (Acute Toxicity Estimates)**

|            |          |        |
|------------|----------|--------|
| Inhalative | LC50/4 h | 3 mg/L |
|------------|----------|--------|

**67-56-1 methanol**

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 5,628 mg/kg (rat)     |
| Dermal | LD50 | 15,800 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Toxic

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 7)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Chlordane Sample (1X2 mL)**

(Contd. of page 6)

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                                                                                                                                        |                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>                                                 | <p>UN1230</p>                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | <p>1230 METHANOL solution<br/>METHANOL solution<br/>METHANOL mixture</p>                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG</b></li> </ul>                                            | <div style="display: flex; align-items: center;">   </div> <p>3 Flammable liquids.<br/>3+6.1</p>   |
| <ul style="list-style-type: none"> <li>· <b>IMDG</b></li> </ul>                                                                                        | <div style="display: flex; align-items: center;">   </div> <p>3 Flammable liquids.<br/>3/6.1</p>   |
| <ul style="list-style-type: none"> <li>· <b>IATA</b></li> </ul>                                                                                        | <div style="display: flex; align-items: center;">   </div> <p>3 Flammable liquids.<br/>3 (6.1)</p> |

(Contd. on page 8)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Chlordane Sample (1X2 mL)**

(Contd. of page 7)

|                                                                                                                                                       |                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| · <b>Packing group</b><br>· <b>ADG, IMDG, IATA</b>                                                                                                    | II                                                                                                                    |
| · <b>Environmental hazards:</b>                                                                                                                       | Not applicable.                                                                                                       |
| · <b>Special precautions for user</b><br>· <b>Danger code (Kemler):</b><br>· <b>EMS Number:</b><br>· <b>Stowage Category</b><br>· <b>Stowage Code</b> | Warning: Flammable liquids.<br>336<br>F-E,S-D<br>B<br>SW2 Clear of living quarters.                                   |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>                                                                           | Not applicable.                                                                                                       |
| · <b>Transport/Additional information:</b>                                                                                                            |                                                                                                                       |
| · <b>ADG</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Excepted quantities (EQ)</b>                                                                 | 1L<br>Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>Transport category</b><br>· <b>Tunnel restriction code</b>                                                                                       | 2<br>D/E                                                                                                              |
| · <b>IMDG</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Excepted quantities (EQ)</b>                                                                | 1L<br>Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>                                                                                                                       | UN 1230 METHANOL SOLUTION, 3 (6.1), II                                                                                |

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

|         |                 |        |
|---------|-----------------|--------|
| 67-56-1 | methanol        | S5, S6 |
| 57-74-9 | chlordane (ISO) | S6     |

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

H2 ACUTE TOXIC

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

AU

(Contd. on page 9)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck Chlordane Sample (1X2 mL)**

(Contd. of page 8)

### 16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H370 Causes damage to organs.

· **Department issuing SDS:** Document Control / Regulatory

· **Contact:** regulatory@ultrasci.com

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

· **\* Data compared to the previous version altered.**

AU

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

### 1 Identification

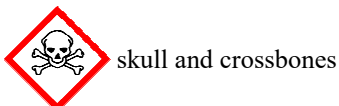
- **Product identifier**
- **Trade name:** QualityCheck PCBs Sample (1X2 mL)
- **Part number:** QCM-240
- **Relevant identified uses of the substance or mixture and uses advised against**  
Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia
- **Further information obtainable from:**  
Telephone: 1800 802 402  
e-mail: pdl-msds\_author@agilent.com
- **Emergency telephone number:** CHEMTREC®: +(61) - 290372994

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Acute Tox. 3 H331 Toxic if inhaled.



STOT SE 1 H370 Causes damage to organs.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



- **Signal word** Danger
- **Hazard-determining components of labelling:**  
methanol
- **Hazard statements**  
Highly flammable liquid and vapour.  
Toxic if inhaled.

(Contd. on page 2)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck PCBs Sample (1X2 mL)**

(Contd. of page 1)

- Causes damage to organs.
- **Precautionary statements**
- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF exposed: Call a POISON CENTER or doctor/physician.
- Specific treatment (see on this label).
- In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

#### · **Dangerous components:**

|         |                                                                                                                                                                                                                                                         |         |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 67-56-1 | methanol                                                                                                                                                                                                                                                | 99.991% |
|         |  Flam. Liq. 2, H225;  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; |         |
|         |  STOT SE 1, H370                                                                                                                                                     |         |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

- **Description of first aid measures**
- **General information:**
- Immediately remove any clothing soiled by the product.
- Remove breathing equipment only after contaminated clothing have been completely removed.
- In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After inhalation:**
- Supply fresh air or oxygen; call for doctor.
- In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck PCBs Sample (1X2 mL)**

(Contd. of page 2)

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 4)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck PCBs Sample (1X2 mL)**

(Contd. of page 3)

- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

### 67-56-1 methanol

|     |                                                                                                             |
|-----|-------------------------------------------------------------------------------------------------------------|
| NES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |
| WES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.
- **Respiratory protection:**  
When used as intended with Agilent instruments the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.  
Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device equipment with appropriate organic or acid gas cartridge.
- **Protection of hands:**  
Although not recommended for constant contact with the chemicals or for clean up, nitrile gloves 11-13mil thickness are recommended for normal use. The breakthrough time is 1hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.
- **Material of gloves**  
For normal use: nitrile rubber, 11-13 mil thickness  
For direct contact with the chemical: butyl rubber, 12-15 mil thickness
- **Penetration time of glove material**  
For normal use: nitrile rubber: 1 hour  
For direct contact with the chemical: butyl rubber: > 4 hours

(Contd. on page 5)

AU

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck PCBs Sample (1X2 mL)**

(Contd. of page 4)

· Eye protection:



Tightly sealed goggles

## 9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

|                  |                 |
|------------------|-----------------|
| Form:            | Fluid           |
| Colour:          | Colourless      |
| Odour:           | Alcohol-like    |
| Odour threshold: | Not determined. |

· pH-value: Not determined.

· Change in condition

|                                          |         |
|------------------------------------------|---------|
| Melting point/freezing point:            | -98 °C  |
| Initial boiling point and boiling range: | 64.7 °C |

· Flash point: 9 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 455 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 5.5 Vol % |
| Upper: | 44 Vol %  |

· Vapour pressure at 20 °C: 100 hPa

|                   |                       |
|-------------------|-----------------------|
| Density at 20 °C: | 0.8 g/cm <sup>3</sup> |
| Relative density  | Not determined.       |
| Vapour density    | Not determined.       |
| Evaporation rate  | Not determined.       |

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

|            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

· Solvent content:

Organic solvents: 100.0 %

(Contd. on page 6)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck PCBs Sample (1X2 mL)**

(Contd. of page 5)

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>VOC (EC)</b>          | 99.99 %                                    |
| <b>Solids content:</b>   | 0.0 %                                      |
| <b>Other information</b> | No further relevant information available. |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

**LD/LC50 values relevant for classification:**
**ATE (Acute Toxicity Estimates)**

|            |          |        |
|------------|----------|--------|
| Inhalative | LC50/4 h | 3 mg/L |
|------------|----------|--------|

**67-56-1 methanol**

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 5,628 mg/kg (rat)     |
| Dermal | LD50 | 15,800 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Toxic

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 7)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck PCBs Sample (1X2 mL)**

(Contd. of page 6)

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                                                                                                                       |                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>                                | UN1230                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG</b></li> <li>· <b>IMDG, IATA</b></li> </ul> | 1230 METHANOL solution<br>METHANOL solution                                                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG</b></li> </ul>                           | <div style="display: flex; align-items: center;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>                                              | 3 Flammable liquids.<br>3+6.1                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>· <b>IMDG</b></li> </ul>                                                                       | <div style="display: flex; align-items: center;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>                                              | 3 Flammable liquids.<br>3/6.1                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>· <b>IATA</b></li> </ul>                                                                       | <div style="display: flex; align-items: center;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>                                              | 3 Flammable liquids.<br>3 (6.1)                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>                            | II                                                                                                                                                                                                                               |

(Contd. on page 8)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck PCBs Sample (1X2 mL)**

(Contd. of page 7)

|                                                                             |                                                                                                     |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| · <b>Environmental hazards:</b>                                             | Not applicable.                                                                                     |
| · <b>Special precautions for user</b>                                       | Warning: Flammable liquids.                                                                         |
| · <b>Danger code (Kemler):</b>                                              | 336                                                                                                 |
| · <b>EMS Number:</b>                                                        | F-E,S-D                                                                                             |
| · <b>Stowage Category</b>                                                   | B                                                                                                   |
| · <b>Stowage Code</b>                                                       | SW2 Clear of living quarters.                                                                       |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                                                                     |
| · <b>Transport/Additional information:</b>                                  |                                                                                                     |
| · <b>ADG</b>                                                                | 1L                                                                                                  |
| · <b>Limited quantities (LQ)</b>                                            | Code: E2                                                                                            |
| · <b>Excepted quantities (EQ)</b>                                           | Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>Transport category</b>                                                 | 2                                                                                                   |
| · <b>Tunnel restriction code</b>                                            | D/E                                                                                                 |
| · <b>IMDG</b>                                                               | 1L                                                                                                  |
| · <b>Limited quantities (LQ)</b>                                            | Code: E2                                                                                            |
| · <b>Excepted quantities (EQ)</b>                                           | Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>                                             | UN 1230 METHANOL SOLUTION, 3 (6.1), II                                                              |

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**

67-56-1 methanol

· **Standard for the Uniform Scheduling of Medicines and Poisons**

67-56-1 methanol

S5, S6

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

H2 ACUTE TOXIC

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation.  
No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

(Contd. on page 9)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 29.04.2019

**Trade name: QualityCheck PCBs Sample (1X2 mL)**

(Contd. of page 8)

**· Relevant phrases**

H225 Highly flammable liquid and vapour.  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H331 Toxic if inhaled.  
H370 Causes damage to organs.

**· Department issuing SDS:** Document Control / Regulatory**· Contact:** regulatory@ultrasci.com**· Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Acute Tox. 3: Acute toxicity – Category 3  
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

**· \* Data compared to the previous version altered.**

AU

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

### 1 Identification

- **Product identifier**
- **Trade name:** QualityCheck Base/Neutrals Sample (1X2 mL)
- **Part number:** QCM-300
- **Relevant identified uses of the substance or mixture and uses advised against**  
Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia
- **Further information obtainable from:**  
Telephone: 1800 802 402  
e-mail: pdl-msds\_author@agilent.com
- **Emergency telephone number:** CHEMTREC®: +(61) - 290372994

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



health hazard

Carc. 1B H350 May cause cancer.



Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
dibenz[a,h]anthracene  
benzo[a]pyrene

(Contd. on page 2)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 1)

**· Hazard statements**

Highly flammable liquid and vapour.  
Causes serious eye irritation.  
May cause cancer.  
May cause drowsiness or dizziness.

**· Precautionary statements**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Get medical advice/attention.  
Call a POISON CENTER/doctor if you feel unwell.  
If eye irritation persists: Get medical advice/attention.  
In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Other hazards**
**· Results of PBT and vPvB assessment**

**· PBT:** Not applicable.  
**· vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

**· Chemical characterisation: Mixtures**

**· Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous components:**

|         |                                                                        |         |
|---------|------------------------------------------------------------------------|---------|
| 67-64-1 | acetone                                                                | 99.342% |
|         | ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336            |         |
| 53-70-3 | dibenz[a,h]anthracene                                                  | 0.0253% |
|         | ⚠ Carc. 1B, H350                                                       |         |
| 50-32-8 | benzo[a]pyrene                                                         | 0.0253% |
|         | ⚠ Muta. 1B, H340; Carc. 1B, H350; Repr. 1B, H360; ⚠ Skin Sens. 1, H317 |         |

(Contd. on page 3)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 2)

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.

(Contd. on page 4)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 3)

Open and handle receptacle with care.

Prevent formation of aerosols.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**67-64-1 acetone**

|     |                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------|
| NES | Short-term value: 2375 mg/m <sup>3</sup> , 1000 ppm<br>Long-term value: 1185 mg/m <sup>3</sup> , 500 ppm |
| WES | Short-term value: 2375 mg/m <sup>3</sup> , 1000 ppm<br>Long-term value: 1185 mg/m <sup>3</sup> , 500 ppm |

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

When used as intended with Agilent instruments the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.

Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device equipment with appropriate organic or acid gas cartridge.

· **Protection of hands:**

Although not recommended for constant contact with the chemicals or for clean up, nitrile gloves 11-13mil thickness are recommended for normal use. The breakthrough time is 1hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.

· **Material of gloves**

For normal use: nitrile rubber, 11-13 mil thickness

For direct contact with the chemical: butyl rubber, 12-15 mil thickness

(Contd. on page 5)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 4)

- **Penetration time of glove material**  
For normal use: nitrile rubber: 1 hour  
For direct contact with the chemical: butyl rubber: > 4 hours
- **Eye protection:**



Tightly sealed goggles

### 9 Physical and Chemical Properties

#### · Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

|                    |                 |
|--------------------|-----------------|
| Form:              | Fluid           |
| Colour:            | Colourless      |
| · Odour:           | Characteristic  |
| · Odour threshold: | Not determined. |

· pH-value: Not determined.

##### · Change in condition

|                                          |              |
|------------------------------------------|--------------|
| Melting point/freezing point:            | -94.7 °C     |
| Initial boiling point and boiling range: | 55.8-56.6 °C |

· Flash point: -17 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 465 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### · Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 2.6 Vol % |
| Upper: | 13 Vol %  |

· Vapour pressure at 20 °C: 245.3 hPa

|                     |                         |
|---------------------|-------------------------|
| · Density at 20 °C: | 0.791 g/cm <sup>3</sup> |
| · Relative density  | Not determined.         |
| · Vapour density    | Not determined.         |
| · Evaporation rate  | Not determined.         |

##### · Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

##### · Viscosity:

|                   |         |
|-------------------|---------|
| Dynamic at 20 °C: | 32 mPas |
|-------------------|---------|

(Contd. on page 6)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 5)

|                            |                                            |
|----------------------------|--------------------------------------------|
| <b>Kinematic:</b>          | Not determined.                            |
| · <b>Solvent content:</b>  |                                            |
| <b>Organic solvents:</b>   | 99.4 %                                     |
| <b>VOC (EC)</b>            | 99.39 %                                    |
| · <b>Solids content:</b>   | 0.4 %                                      |
| · <b>Other information</b> | No further relevant information available. |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

|                                                      |      |                       |  |
|------------------------------------------------------|------|-----------------------|--|
| · <b>LD/LC50 values relevant for classification:</b> |      |                       |  |
| <b>67-64-1 acetone</b>                               |      |                       |  |
| Oral                                                 | LD50 | 5,800 mg/kg (rat)     |  |
| Dermal                                               | LD50 | 20,000 mg/kg (rabbit) |  |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
Carc. 1B

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

(Contd. on page 7)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**  
 Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
 Danger to drinking water if even extremely small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                                                                                                                                                                                                                                                                                                                       |                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| · <b>UN-Number</b><br>· <b>ADG, IMDG, IATA</b>                                                                                                                                                                                                                                                                                        | UN1090                                                                                                        |
| · <b>UN proper shipping name</b><br>· <b>ADG</b><br><br>· <b>IMDG</b><br>· <b>IATA</b>                                                                                                                                                                                                                                                | 1090 ACETONE solution, ENVIRONMENTALLY<br>HAZARDOUS<br>ACETONE solution, MARINE POLLUTANT<br>ACETONE solution |
| · <b>Transport hazard class(es)</b><br>· <b>ADG, IMDG</b><br><br><div style="display: flex; align-items: center;">   </div><br>· <b>Class</b><br>· <b>Label</b> | 3 Flammable liquids.<br>3                                                                                     |
| · <b>IATA</b><br><br><div style="display: flex; align-items: center;">  </div><br>· <b>Class</b><br>· <b>Label</b>                                                                                                                                 | 3 Flammable liquids.<br>3                                                                                     |
| · <b>Packing group</b><br>· <b>ADG, IMDG, IATA</b>                                                                                                                                                                                                                                                                                    | II                                                                                                            |

(Contd. on page 8)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 7)

|                                                                             |                                                                                                      |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| · <b>Environmental hazards:</b>                                             | Product contains environmentally hazardous substances:<br>1,2-dichlorobenzene, dibenz[a,h]anthracene |
| · <b>Marine pollutant:</b>                                                  | Symbol (fish and tree)                                                                               |
| · <b>Special marking (ADG):</b>                                             | Symbol (fish and tree)                                                                               |
| · <b>Special precautions for user</b>                                       | Warning: Flammable liquids.                                                                          |
| · <b>Danger code (Kemler):</b>                                              | 33                                                                                                   |
| · <b>EMS Number:</b>                                                        | F-E,S-D                                                                                              |
| · <b>Stowage Category</b>                                                   | B                                                                                                    |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                                                                      |
| · <b>Transport/Additional information:</b>                                  |                                                                                                      |
| · <b>ADG</b>                                                                | 1L                                                                                                   |
| · <b>Limited quantities (LQ)</b>                                            | Code: E2                                                                                             |
| · <b>Excepted quantities (EQ)</b>                                           | Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml  |
| · <b>Transport category</b>                                                 | 2                                                                                                    |
| · <b>Tunnel restriction code</b>                                            | D/E                                                                                                  |
| · <b>IMDG</b>                                                               | 1L                                                                                                   |
| · <b>Limited quantities (LQ)</b>                                            | Code: E2                                                                                             |
| · <b>Excepted quantities (EQ)</b>                                           | Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml  |
| · <b>UN "Model Regulation":</b>                                             | UN 1090 ACETONE SOLUTION, 3, II,<br>ENVIRONMENTALLY HAZARDOUS                                        |

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**

|          |                            |
|----------|----------------------------|
| 67-64-1  | acetone                    |
| 101-55-3 | 4-bromophenyl phenyl ether |
| 132-64-9 | dibenzofuran               |
| 95-50-1  | 1,2-dichlorobenzene        |
| 106-46-7 | 1,4-dichlorobenzene        |
| 131-11-3 | dimethyl phthalate         |
| 121-14-2 | 2,4-dinitrotoluene         |
| 117-84-0 | dioctyl phthalate          |
| 118-74-1 | hexachlorobenzene          |
| 98-95-3  | nitrobenzene               |
| 120-82-1 | 1,2,4-trichlorobenzene     |
| 91-20-3  | naphthalene                |
| 129-00-0 | pyrene                     |

(Contd. on page 9)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 8)

|          |                                 |
|----------|---------------------------------|
| 120-12-7 | anthracene                      |
| 85-01-8  | phenanthrene                    |
| 206-44-0 | fluoranthene                    |
| 83-32-9  | acenaphthene                    |
| 218-01-9 | chrysene                        |
| 117-81-7 | di-(2-ethylhexyl) phthalate     |
| 85-68-7  | BBP                             |
| 84-66-2  | diethyl phthalate               |
| 78-59-1  | 3,5,5-trimethylcyclohex-2-enone |

**Standard for the Uniform Scheduling of Medicines and Poisons**

|          |                                 |     |
|----------|---------------------------------|-----|
| 67-64-1  | acetone                         | S5  |
| 95-50-1  | 1,2-dichlorobenzene             | S6  |
| 106-46-7 | 1,4-dichlorobenzene             | S5  |
| 131-11-3 | dimethyl phthalate              | S10 |
| 118-74-1 | hexachlorobenzene               | S7  |
| 98-95-3  | nitrobenzene                    | S6  |
| 91-20-3  | naphthalene                     | S6  |
| 85-68-7  | BBP                             | S10 |
| 84-66-2  | diethyl phthalate               | S10 |
| 78-59-1  | 3,5,5-trimethylcyclohex-2-enone | S5  |

**Directive 2012/18/EU**

• **Named dangerous substances - ANNEX I** None of the ingredients is listed.

**Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

• **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

• **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

**National regulations:**

• **Additional classification according to Decree on Hazardous Materials, Annex II:**

Carcinogenic hazardous material group III (dangerous).

**Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.

Exceptions can be made by the authorities in certain cases.

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

**Relevant phrases**

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

(Contd. on page 10)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 4

Revision: 29.04.2019

**Trade name: QualityCheck Base/Neutrals Sample (1X2 mL)**

(Contd. of page 9)

H340 May cause genetic defects.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

· **Department issuing SDS:** Document Control / Regulatory· **Contact:** regulatory@ultraschi.com· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1B: Carcinogenicity – Category 1B

Repr. 1B: Reproductive toxicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **\* Data compared to the previous version altered.**

-AU-

# Safety Data Sheet

## according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

### 1 Identification

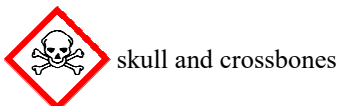
- **Product identifier**
- **Trade name:** QualityCheck acids sample (1 x 2 mL)
- **Part number:** QCM-400
- **Relevant identified uses of the substance or mixture and uses advised against**  
Reagents and Standards for Analytical Chemical Laboratory Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia
- **Further information obtainable from:**  
Telephone: 1800 802 402  
e-mail: pdl-msds\_author@agilent.com
- **Emergency telephone number:** CHEMTREC®: +(61) - 290372994

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Acute Tox. 3 H331 Toxic if inhaled.



STOT SE 1 H370 Causes damage to organs.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



- **Signal word** Danger
- **Hazard-determining components of labelling:**  
methanol
- **Hazard statements**  
Highly flammable liquid and vapour.  
Toxic if inhaled.

(Contd. on page 2)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

**Trade name: QualityCheck acids sample (1 x 2 mL)**

(Contd. of page 1)

Causes damage to organs.

**· Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF exposed: Call a POISON CENTER or doctor/physician.

Specific treatment (see on this label).

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Other hazards**
**· Results of PBT and vPvB assessment**
**· PBT:** Not applicable.

**· vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

**· Chemical characterisation: Mixtures**
**· Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous components:**

|         |                                                                                                                                                                                                                                                         |         |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 67-56-1 | methanol                                                                                                                                                                                                                                                | 99.747% |
|         |  Flam. Liq. 2, H225;  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; |         |
|         |  STOT SE 1, H370                                                                                                                                                     |         |

**· Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

**· Description of first aid measures**
**· General information:**

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

**· After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

**· After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

**Trade name: QualityCheck acids sample (1 x 2 mL)**

(Contd. of page 2)

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 4)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

**Trade name: QualityCheck acids sample (1 x 2 mL)**

(Contd. of page 3)

- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

### 67-56-1 methanol

|     |                                                                                                             |
|-----|-------------------------------------------------------------------------------------------------------------|
| NES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |
| WES | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm<br>Long-term value: 262 mg/m <sup>3</sup> , 200 ppm<br>Sk |

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.
- **Respiratory protection:**  
When used as intended with Agilent instruments the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures and therefore respiratory protection is not needed.  
Under an emergency condition where a respirator is deemed necessary, use a NIOSH or equivalent approved device equipment with appropriate organic or acid gas cartridge.
- **Protection of hands:**  
Although not recommended for constant contact with the chemicals or for clean up, nitrile gloves 11-13mil thickness are recommended for normal use. The breakthrough time is 1hr. For cleaning a spill where there is direct contact of the chemical, butyl rubber gloves are recommended 12-15mil thickness with breakthrough times exceeding 4 hrs. Supplier recommendations should be followed.
- **Material of gloves**  
For normal use: nitrile rubber, 11-13 mil thickness  
For direct contact with the chemical: butyl rubber, 12-15 mil thickness
- **Penetration time of glove material**  
For normal use: nitrile rubber: 1 hour  
For direct contact with the chemical: butyl rubber: > 4 hours

(Contd. on page 5)

AU

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

**Trade name: QualityCheck acids sample (1 x 2 mL)**

(Contd. of page 4)

· Eye protection:



Tightly sealed goggles

### 9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

|                  |                 |
|------------------|-----------------|
| Form:            | Fluid           |
| Colour:          | Colourless      |
| Odour:           | Alcohol-like    |
| Odour threshold: | Not determined. |

· pH-value: Not determined.

· Change in condition

|                                          |         |
|------------------------------------------|---------|
| Melting point/freezing point:            | -98 °C  |
| Initial boiling point and boiling range: | 64.7 °C |

· Flash point: 9 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 455 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 5.5 Vol % |
| Upper: | 44 Vol %  |

· Vapour pressure at 20 °C: 100 hPa

|                   |                           |
|-------------------|---------------------------|
| Density at 20 °C: | 0.80135 g/cm <sup>3</sup> |
| Relative density  | Not determined.           |
| Vapour density    | Not determined.           |
| Evaporation rate  | Not determined.           |

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

|            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

· Solvent content:

Organic solvents: 99.8 %

(Contd. on page 6)

AU

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

**Trade name: QualityCheck acids sample (1 x 2 mL)**

(Contd. of page 5)

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>VOC (EC)</b>          | 99.80 %                                    |
| <b>Solids content:</b>   | 0.2 %                                      |
| <b>Other information</b> | No further relevant information available. |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

**LD/LC50 values relevant for classification:**
**ATE (Acute Toxicity Estimates)**

|            |          |           |
|------------|----------|-----------|
| Inhalative | LC50/4 h | 3.01 mg/L |
|------------|----------|-----------|

**67-56-1 methanol**

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 5,628 mg/kg (rat)     |
| Dermal | LD50 | 15,800 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Toxic

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 7)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

**Trade name: QualityCheck acids sample (1 x 2 mL)**

(Contd. of page 6)

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                                                                                                                       |                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>                                | UN1230                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG</b></li> <li>· <b>IMDG, IATA</b></li> </ul> | 1230 METHANOL solution<br>METHANOL solution                                                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG</b></li> </ul>                           | <div style="display: flex; align-items: center;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>                                              | 3 Flammable liquids.<br>3+6.1                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>· <b>IMDG</b></li> </ul>                                                                       | <div style="display: flex; align-items: center;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>                                              | 3 Flammable liquids.<br>3/6.1                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>· <b>IATA</b></li> </ul>                                                                       | <div style="display: flex; align-items: center;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>                                              | 3 Flammable liquids.<br>3 (6.1)                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>                            | II                                                                                                                                                                                                                               |

(Contd. on page 8)

## Safety Data Sheet

### according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

**Trade name: QualityCheck acids sample (1 x 2 mL)**

(Contd. of page 7)

|                                                                             |                                                                                                                 |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| · <b>Environmental hazards:</b>                                             | Not applicable.                                                                                                 |
| · <b>Special precautions for user</b>                                       | Warning: Flammable liquids.                                                                                     |
| · <b>Danger code (Kemler):</b>                                              | 336                                                                                                             |
| · <b>EMS Number:</b>                                                        | F-E,S-D                                                                                                         |
| · <b>Stowage Category</b>                                                   | B                                                                                                               |
| · <b>Stowage Code</b>                                                       | SW2 Clear of living quarters.                                                                                   |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                                                                                 |
| · <b>Transport/Additional information:</b>                                  |                                                                                                                 |
| · <b>ADG</b>                                                                |                                                                                                                 |
| · <b>Limited quantities (LQ)</b>                                            | 1L                                                                                                              |
| · <b>Excepted quantities (EQ)</b>                                           | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>Transport category</b>                                                 | 2                                                                                                               |
| · <b>Tunnel restriction code</b>                                            | D/E                                                                                                             |
| · <b>IMDG</b>                                                               |                                                                                                                 |
| · <b>Limited quantities (LQ)</b>                                            | 1L                                                                                                              |
| · <b>Excepted quantities (EQ)</b>                                           | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>                                             | UN 1230 METHANOL SOLUTION, 3 (6.1), II                                                                          |

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

|          |                       |                |
|----------|-----------------------|----------------|
| 67-56-1  | methanol              | S5, S6         |
| 88-75-5  | 2-nitrophenol         | S6             |
| 100-02-7 | 4-nitrophenol         | S6             |
| 87-86-5  | pentachlorophenol     | S6, S7         |
| 88-06-2  | 2,4,6-trichlorophenol | S6             |
| 59-50-7  | chlorocresol          | S5             |
| 108-95-2 | phenol                | S2, S4, S5, S6 |

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

H2 ACUTE TOXIC

P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

(Contd. on page 9)

## Safety Data Sheet

according to WHS Regulations

Printing date 28.05.2019

Version number 3

Revision: 28.05.2019

**Trade name: QualityCheck acids sample (1 x 2 mL)**· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. of page 8)

### 16 Other information

The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H370 Causes damage to organs.

· **Department issuing SDS:** Document Control / Regulatory· **Contact:** regulatory@ultrasci.com· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

· **\* Data compared to the previous version altered.**

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