

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

### 1 Identification of the substance/mixture and of the company/undertaking

**1.1 Product identifier****Trade name:** Chlorinated Extractables Standard (1X1 mL)**Part number:** MISA-231-1**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Reagents and Standards for Analytical Chemical Laboratory Use**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**Agilent Technologies Deutschland GmbH  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany**Further information obtainable from:**Telephone: 0800 603 1000  
pdl-msds\_author@agilent.com**1.4 Emergency telephone number:** CHEMTREC®: +(44)-870-8200418

### 2 Hazards identification

**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS08 health hazard

Carc. 1B            H350 May cause cancer.

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



GHS07

Skin Irrit. 2        H315 Causes skin irritation.

Eye Irrit. 2        H319 Causes serious eye irritation.

STOT SE 3        H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS07



GHS08

**Signal word** Danger**Hazard-determining components of labelling:**dichloromethane  
hexachlorobenzene

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 1)

**· Hazard statements**

- H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H350 May cause cancer.  
 H335 May cause respiratory irritation.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H412 Harmful to aquatic life with long lasting effects.

**· Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read carefully and follow all instructions.  
 P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 Wash thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P321 Specific treatment (see on this label).  
 P314 Get medical advice/attention if you feel unwell.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

87-61-6	1,2,3-trichlorobenzene
87-68-3	hexachlorobuta-1,3-diene
120-82-1	1,2,4-trichlorobenzene

**· vPvB:**

87-68-3	hexachlorobuta-1,3-diene
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### 3 Composition/information on ingredients

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

**· Dangerous components:**

CAS: 75-09-2	dichloromethane	98.1904%
EINECS: 200-838-9	☠ Carc. 2, H351; STOT RE 2, H373; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31



























Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 2)

CAS: 67-72-1 EINECS: 200-666-4	hexachloroethane  STOT RE 2, H373;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	0.1508%
CAS: 77-47-4 EINECS: 201-029-3	hexachlorocyclopentadiene  Acute Tox. 3, H311; Acute Tox. 2, H330;  Skin Corr. 1B, H314;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302	0.1508%
CAS: 87-61-6 EINECS: 201-757-1	1,2,3-trichlorobenzene  Aquatic Chronic 2, H411;  Acute Tox. 4, H302; Skin Irrit. 2, H315 PBT	0.1508%
CAS: 87-68-3 EINECS: 201-765-5	hexachlorobuta-1,3-diene  Acute Tox. 3, H301; Acute Tox. 2, H310;  Carc. 2, H351;  Skin Irrit. 2, H315 PBT; vPvB	0.1508%
CAS: 95-94-3 EINECS: 202-466-2	1,2,4,5-tetrachlorobenzene  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	0.1508%
CAS: 118-74-1 EINECS: 204-273-9	hexachlorobenzene  Carc. 1B, H350; STOT RE 1, H372;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0.1508%
CAS: 120-82-1 EINECS: 204-428-0	1,2,4-trichlorobenzene  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Skin Irrit. 2, H315 PBT	0.1508%
CAS: 608-93-5 EINECS: 210-172-0	pentachlorobenzene  Flam. Sol. 1, H228;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302	0.1508%
CAS: 634-66-2 EINECS: 211-214-0	1,2,3,4-tetrachlorobenzene  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302	0.1508%
CAS: 634-90-2 EINECS: 211-217-7	1,2,3,5-tetrachlorobenzene  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302	0.1508%
CAS: 29082-74-4	octachlorostyrene  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0.1508%

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

## 4 First aid measures

### · 4.1 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.

· **After inhalation:** 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. If symptoms persist, consult a doctor.

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

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

(Contd. on page 4)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

(Contd. of page 3)

### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.
- **6.2 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.
- **6.3 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.
- **6.4 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

- **7.1 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 respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

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(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

<b>Trade name: Chlorinated Extractables Standard (1X1 mL)</b>
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(Contd. of page 4)

## 8 Exposure controls/personal protection

### · 8.1 Control parameters

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

##### 75-09-2 dichloromethane

OEL	Short-term value: 706 mg/m <sup>3</sup> , 200 ppm Long-term value: 353 mg/m <sup>3</sup> , 100 ppm Sk, IEOLV
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##### 67-72-1 hexachloroethane

OEL	Long-term value: 10 mg/m <sup>3</sup> , 1 ppm vapour
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##### 77-47-4 hexachlorocyclopentadiene

OEL	Long-term value: 0.1 mg/m <sup>3</sup> , 0.01 ppm
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##### 87-68-3 hexachlorobuta-1,3-diene

OEL	Long-term value: 0.21 mg/m <sup>3</sup> , 0.02 ppm Sk
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##### 120-82-1 1,2,4-trichlorobenzene

OEL	Short-term value: 37.8 mg/m <sup>3</sup> , 5 ppm Long-term value: 15.1 mg/m <sup>3</sup> , 2 ppm Sk, IOELV
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· **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as 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.

· **Hand protection**

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 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 5)

- **Eye/face protection**
- Safety glasses



Tightly sealed goggles

## 9 Physical and chemical properties

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

#### · General Information

· <b>Physical state</b>	Fluid
· <b>Colour:</b>	Colourless
· <b>Odour:</b>	Like chlorine
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	-95.1 °C
· <b>Boiling point or initial boiling point and boiling range</b>	40 °C
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	13 Vol %
· <b>Upper:</b>	22 Vol %
· <b>Flash point:</b>	Not applicable.
· <b>Ignition temperature:</b>	605 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>Dynamic at 20 °C:</b>	0.43 mPas
· <b>Solubility</b>	
· <b>water at 20 °C:</b>	20 g/l
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	360 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1.3 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

### · 9.2 Other information

· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	98.5 %
· <b>VOC (EC)</b>	98.49 %
· <b>Solids content:</b>	0.0 %

(Contd. on page 7)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 6)

· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

## 10 Stability and reactivity

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

## 11 Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

#### ATE (Acute Toxicity Estimates)

Oral	LD50	54,377 mg/kg (rat)
Dermal	LD50	53,801 mg/kg (rabbit)
Inhalative	LC50/4 h	1,326 mg/L (rat)

#### 75-09-2 dichloromethane

Oral	LD50	1,600 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/L (rat)

(Contd. on page 8)

IE

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 7)

<b>67-72-1 hexachloroethane</b>		
Dermal	LD50	32,000 mg/kg (rabbit)
<b>77-47-4 hexachlorocyclopentadiene</b>		
Oral	LD50	315 mg/kg (rat)
Dermal	LD50	430 mg/kg (rabbit)
Inhalative	LC50/4 h	2 mg/L (rat)
<b>87-61-6 1,2,3-trichlorobenzene</b>		
Oral	LD50	1,830 mg/kg (rat)
<b>87-68-3 hexachlorobuta-1,3-diene</b>		
Oral	LD50	82 mg/kg (rat)
Dermal	LD50	100 mg/kg (rabbit)
Inhalative	LC50/4 h	370 mg/L (mouse)
<b>95-94-3 1,2,4,5-tetrachlorobenzene</b>		
Oral	LD50	1,500 mg/kg (rat)
<b>118-74-1 hexachlorobenzene</b>		
Oral	LD50	10,000 mg/kg (rat)
Inhalative	LC50/4 h	3,600 mg/L (rat)
<b>120-82-1 1,2,4-trichlorobenzene</b>		
Oral	LD50	756 mg/kg (rat)
Dermal	LD50	6,139 mg/kg (rat)
<b>608-93-5 pentachlorobenzene</b>		
Oral	LD50	1,080 mg/kg (rat)
Dermal	LD50	>2,500 mg/kg (rat)
<b>634-66-2 1,2,3,4-tetrachlorobenzene</b>		
Oral	LD50	1,167 mg/kg (rat)
<b>634-90-2 1,2,3,5-tetrachlorobenzene</b>		
Oral	LD50	1,727 mg/kg (rat)
<b>29082-74-4 octachlorostyrene</b>		
Oral	LD50	3,710 mg/kg (rat)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** May cause cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause respiratory irritation.
- **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**
**· Endocrine disrupting properties**

None of the ingredients is listed.

(Contd. on page 9)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 8)

### 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**

- **PBT:**

87-61-6	1,2,3-trichlorobenzene
87-68-3	hexachlorobuta-1,3-diene
120-82-1	1,2,4-trichlorobenzene

- **vPvB:**

87-68-3	hexachlorobuta-1,3-diene
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- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Harmful to fish

- **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.  
Harmful to aquatic organisms

### 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP7	Carcinogenic
HP14	Ecotoxic

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **14.1 UN number or ID number**
- **Not Regulated, De minimus Quantities**

- **ADR, IMDG, IATA**

-  
UN1593

(Contd. on page 10)

## Safety data sheet

### according to 1907/2006/EC, Article 31


Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 9)

<ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>	<p>1593 DICHLOROMETHANE DICHLOROMETHANE</p>
<ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul> <div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	<p>6.1 Toxic substances. 6.1</p>
<ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	<p>III</p>
<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> </ul>	<p>Not applicable.</p>
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· <b>Hazard identification number (Kemler code):</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Segregation groups</b></li> <li>· <b>Stowage Category</b></li> </ul>	<p>Warning: Toxic substances. 60 F-A,S-A (SGG10) Liquid halogenated hydrocarbons A</p>
<ul style="list-style-type: none"> <li>· <b>14.7 Maritime transport in bulk according to IMO instruments</b></li> </ul>	<p>Not applicable.</p>
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>	
<ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> <li>· <b>Transport category</b></li> <li>· <b>Tunnel restriction code</b></li> </ul>	<p>2 E</p>
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	<p>UN 1593 DICHLOROMETHANE, 6.1, III</p>

## 15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

(Contd. on page 11)

IE

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 10)

**· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

87-68-3	hexachlorobuta-1,3-diene	Annex I Part A Annex III Part B Annex IV
118-74-1	hexachlorobenzene	Annex I Part A Annex III Part B Annex IV
608-93-5	pentachlorobenzene	Annex I Part A Annex III Part B Annex IV

**· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 28, 41, 49, 59**
**· Regulation (EU) No 649/2012**

67-72-1	hexachloroethane	Annex I Part 1
87-68-3	hexachlorobuta-1,3-diene	Annex V Part 1
118-74-1	hexachlorobenzene	Annex I Part 3 Annex V Part 1
120-82-1	1,2,4-trichlorobenzene	Annex I Part 1
608-93-5	pentachlorobenzene	Annex V Part 1

**· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**· REGULATION (EU) 2019/1148**
**· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**· Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**· Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**· 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.

**· 15.2 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 12)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 28.02.2024

Version number 4 (replaces version 3)

Revision: 17.08.2023

**Trade name: Chlorinated Extractables Standard (1X1 mL)**

(Contd. of page 11)

**· Relevant phrases**

H228 Flammable solid.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H335 May cause respiratory irritation.  
H350 May cause cancer.  
H351 Suspected of causing cancer.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

**· Department issuing SDS:** Document Control / Regulatory**· Contact:** pdl-acg-regulatory-cq@agilent.com**· Version number of previous version:** 3**· Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
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. Sol. 1: Flammable solids – Category 1  
Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 2: Acute toxicity – Category 2  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Carc. 1B: Carcinogenicity – Category 1B  
Carc. 2: Carcinogenicity – Category 2  
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  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3