Section 1. Identification

Product identifier: ICV-7 Quality Control Standard, Part Number 190064900
Part no. (chemical kit): 190064900
Part no.: Initial calibration verification standard part A 190064900A
Initial calibration verification standard part B 190064900B

Supplier/Manufacturer: Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

Emergency telephone number (with hours of operation): CHEMTREC®: +(61)-290372994

Relevant identified uses of the substance or mixture and uses advised against

Material uses: Reagents and Standards for Analytical Chemistry Laboratory Use
2 x 500 ml
Initial calibration verification standard part A 500 ml
Initial calibration verification standard part B 500 ml

Section 2. Hazard(s) identification

Classification of the substance or mixture

Initial calibration verification standard part A
H290 CORROSIVE TO METALS - Category 1
H314 SKIN CORROSION/IRRITATION - Category 1
H318 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1

Initial calibration verification standard part B
H290 CORROSIVE TO METALS - Category 1
H314 SKIN CORROSION/IRRITATION - Category 1
H318 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
H350 CARCINOGENICITY - Category 1A
H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

Percentage of the mixture consisting of ingredient(s)
of unknown dermal toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s)
of unknown inhalation toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s)
of unknown oral toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s)
of unknown hazards to the aquatic environment: 1%

GHS label elements

Date of issue/Date of revision: 25/04/2018
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Version: 4
Section 2. Hazard(s) identification

**Hazard pictograms**
- Initial calibration verification standard part A
- Initial calibration verification standard part B

**Signal word**
- Initial calibration verification standard part A: DANGER
- Initial calibration verification standard part B: DANGER

**Hazard statements**
- Initial calibration verification standard part A:
  - H290 - May be corrosive to metals.
  - H314 - Causes severe skin burns and eye damage.
  - H290 - May be corrosive to metals.
- Initial calibration verification standard part B:
  - H314 - Causes severe skin burns and eye damage.
  - H350 - May cause cancer.
  - H410 - Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

**Prevention**
- Initial calibration verification standard part A:
  - P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
  - P234 - Keep only in original container.
  - P264 - Wash hands thoroughly after handling.
- Initial calibration verification standard part B:
  - P201 - Obtain special instructions before use.
  - P202 - Do not handle until all safety precautions have been read and understood.
  - P281 - Use personal protective equipment as required.
  - P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
  - P234 - Keep only in original container.
  - P273 - Avoid release to the environment.
  - P264 - Wash hands thoroughly after handling.

**Response**
- Initial calibration verification standard part A:
  - P390 - Absorb spillage to prevent material damage.
  - P304 + P340 + P310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.
  - P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.
  - P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician.
  - P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
- Initial calibration verification standard part B:
  - P391 - Collect spillage.
  - P308 + P313 - IF exposed or concerned: Get medical attention.
Section 2. Hazard(s) identification

P304 + P340 + P310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.
P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician.
P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage:
Initial calibration verification standard part A
P405 - Store locked up.
P406 - Store in corrosive resistant container with a resistant inner liner.
Initial calibration verification standard part B
P405 - Store locked up.
P406 - Store in corrosive resistant container with a resistant inner liner.

Disposal:
Initial calibration verification standard part A
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Initial calibration verification standard part B
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements
Additional warning phrases:
Initial calibration verification standard part A
Not applicable.
Initial calibration verification standard part B
Not applicable.

Other hazards which do not result in classification:
Initial calibration verification standard part A
Causes digestive tract burns.
Initial calibration verification standard part B
Causes digestive tract burns.

Section 3. Composition and ingredient information

Substance/mixture:
Initial calibration verification standard part A
Mixture
Initial calibration verification standard part B
Mixture

CAS number/other identifiers

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>% (w/w)</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>nitric acid</td>
<td>≥10 - ≤30</td>
<td>7697-37-2</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>≤3</td>
<td>471-34-1</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>≤3</td>
<td>497-19-8</td>
</tr>
<tr>
<td>Potassium carbonate</td>
<td>≤3</td>
<td>584-08-7</td>
</tr>
<tr>
<td>Initial calibration verification standard part B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>nitric acid</td>
<td>≥10 - ≤30</td>
<td>7697-37-2</td>
</tr>
</tbody>
</table>

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Section 3. Composition and ingredient information

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Limit</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diarsenic trioxide</td>
<td>≤0.3</td>
<td>1327-53-3</td>
</tr>
<tr>
<td>Lead</td>
<td>&lt;0.3</td>
<td>7439-92-1</td>
</tr>
<tr>
<td>Silver</td>
<td>≤0.3</td>
<td>7440-22-4</td>
</tr>
<tr>
<td>Cadmium</td>
<td>≤0.3</td>
<td>7440-43-9</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

Initial calibration verification standard part A

Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Initial calibration verification standard part B

Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation

Initial calibration verification standard part A

Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Initial calibration verification standard part B

Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
## Section 4. First aid measures

### Skin contact

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Initial calibration verification standard part A</td>
</tr>
<tr>
<td>B</td>
<td>Initial calibration verification standard part B</td>
</tr>
</tbody>
</table>

Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### Ingestion

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Initial calibration verification standard part A</td>
</tr>
<tr>
<td>B</td>
<td>Initial calibration verification standard part B</td>
</tr>
</tbody>
</table>

Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### Most important symptoms/effects, acute and delayed

### Potential acute health effects

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Initial calibration verification standard part A</td>
</tr>
<tr>
<td>B</td>
<td>Initial calibration verification standard part B</td>
</tr>
</tbody>
</table>

Eye contact

- Causes serious eye damage.

Inhalation

- No known significant effects or critical hazards.
## Section 4. First aid measures

### Skin contact
- Initial calibration verification standard part A: Causes severe burns.
- Initial calibration verification standard part B: Causes severe burns.

### Ingestion
- Initial calibration verification standard part A: Corrosive to the digestive tract. Causes burns.
- Initial calibration verification standard part B: Corrosive to the digestive tract. Causes burns.

### Over-exposure signs/symptoms

#### Eye contact
- Initial calibration verification standard part A: Adverse symptoms may include the following:
  - pain
  - watering
  - redness
- Initial calibration verification standard part B: Adverse symptoms may include the following:
  - pain
  - watering
  - redness

#### Inhalation
- Initial calibration verification standard part A: No specific data.
- Initial calibration verification standard part B: No specific data.

#### Skin contact
- Initial calibration verification standard part A: Adverse symptoms may include the following:
  - pain or irritation
  - redness
  - blistering may occur
- Initial calibration verification standard part B: Adverse symptoms may include the following:
  - pain or irritation
  - redness
  - blistering may occur

#### Ingestion
- Initial calibration verification standard part A: Adverse symptoms may include the following:
  - stomach pains
- Initial calibration verification standard part B: Adverse symptoms may include the following:
  - stomach pains

### Indication of immediate medical attention and special treatment needed, if necessary

#### Notes to physician
- Initial calibration verification standard part A: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Initial calibration verification standard part B: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

#### Specific treatments
- Initial calibration verification standard part A: No specific treatment.
- Initial calibration verification standard part B: No specific treatment.
Section 4. First aid measures

**Protection of first-aiders**

Initial calibration verification standard part A
No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Initial calibration verification standard part B
No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Firefighting measures

**Extinguishing media**

**Suitable extinguishing media**

Initial calibration verification standard part A
Use an extinguishing agent suitable for the surrounding fire.

Initial calibration verification standard part B
Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media**

Initial calibration verification standard part A
None known.

Initial calibration verification standard part B
None known.

**Specific hazards arising from the chemical**

Initial calibration verification standard part A
In a fire or if heated, a pressure increase will occur and the container may burst.

Initial calibration verification standard part B
In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products**

Initial calibration verification standard part A
Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide
- nitrogen oxides
- metal oxide/oxides

Initial calibration verification standard part B
Decomposition products may include the following materials:
- nitrogen oxides

**Special protective actions for fire-fighters**

Initial calibration verification standard part A
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Initial calibration verification standard part B
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Section 5. Firefighting measures

Special protective equipment for fire-fighters

| Initial calibration verification standard part A | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Initial calibration verification standard part B | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

Hazchem code

| Initial calibration verification standard part A | 2X |
| Initial calibration verification standard part B | 2X |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

| Initial calibration verification standard part A | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| Initial calibration verification standard part B | |

For emergency responders

| Initial calibration verification standard part A | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Initial calibration verification standard part B | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

Environmental precautions

| Initial calibration verification standard part A | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Initial calibration verification standard part B | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. |

Methods and material for containment and cleaning up

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### Section 6. Accidental release measures

**Methods for cleaning up**

<table>
<thead>
<tr>
<th>Standard Part</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial calibration verification standard part A</strong></td>
<td>Stop leak if without risk. Move containers from spill area. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.</td>
</tr>
<tr>
<td><strong>Initial calibration verification standard part B</strong></td>
<td>Stop leak if without risk. Move containers from spill area. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.</td>
</tr>
</tbody>
</table>

### Section 7. Handling and storage

#### Precautions for safe handling

**Protective measures**

<table>
<thead>
<tr>
<th>Standard Part</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial calibration verification standard part A</strong></td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.</td>
</tr>
<tr>
<td><strong>Initial calibration verification standard part B</strong></td>
<td>Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.</td>
</tr>
</tbody>
</table>

**Advice on general occupational hygiene**

<table>
<thead>
<tr>
<th>Standard Part</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial calibration verification standard part A</strong></td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</td>
</tr>
<tr>
<td><strong>Initial calibration verification standard part B</strong></td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</td>
</tr>
</tbody>
</table>
Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities

- **Initial calibration verification standard part A**
  - Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in corrosive resistant container with a resistant inner liner. Store locked up. Separate from alkalis. Keep away from metals. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

- **Initial calibration verification standard part B**
  - Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in corrosive resistant container with a resistant inner liner. Store locked up. Separate from alkalis. Keep away from metals. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
</table>
| **Initial calibration verification standard part A**
  - Nitric acid | Safe Work Australia (Australia, 1/2014).
  - STEL: 10 mg/m³ 15 minutes.
  - STEL: 4 ppm 15 minutes.
  - TWA: 5.2 mg/m³ 8 hours.
  - TWA: 2 ppm 8 hours. |
| Calcium carbonate | Safe Work Australia (Australia, 1/2014).
  - TWA: 10 mg/m³ 8 hours. |
| **Initial calibration verification standard part B**
  - Nitric acid | Safe Work Australia (Australia, 1/2014).
  - STEL: 10 mg/m³ 15 minutes.
  - STEL: 4 ppm 15 minutes.
  - TWA: 5.2 mg/m³ 8 hours.
  - TWA: 2 ppm 8 hours. |
| Diarsenic trioxide | ACGIH TLV (United States, 3/2017).
  - TWA: 0.01 mg/m³, (as As) 8 hours. |
| Lead | Safe Work Australia (Australia, 1/2014).
  - TWA: 0.15 mg/m³ 8 hours. Form: Dust and fumes |
| Silver | Safe Work Australia (Australia, 1/2014).
  - TWA: 0.1 mg/m³ 8 hours. |
| Cadmium | Safe Work Australia (Australia, 1/2014).
  - TWA: 0.01 mg/m³, (as Cd) 8 hours. |
Section 8. Exposure controls and personal protection

Hand protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Ensure that all respirators are fitted correctly, and that users are trained in respirator use according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Physical state

Initial calibration verification standard part A
Liquid. [Clear.]

Initial calibration verification standard part B
Liquid. [Clear.]

Colour

Initial calibration verification standard part A
Light

Initial calibration verification standard part B
Light

Odour

Initial calibration verification standard part A
Odourless.

Initial calibration verification standard part B
Odourless.

Odour threshold

Initial calibration verification standard part A
Not available.

Initial calibration verification standard part B
Not available.

pH


**Section 9. Physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard part A</th>
<th>Standard part B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>&lt;2°C (32°F)</td>
<td>&lt;2°C (32°F)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100°C (212°F)</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Lower and upper explosive (flammable) limits</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Solubility</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
<td>Easily soluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
Section 10. Stability and reactivity

Reactivity: Initial calibration verification standard part A
No specific test data related to reactivity available for this product or its ingredients.
Initial calibration verification standard part B
No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: Initial calibration verification standard part A
The product is stable.
Initial calibration verification standard part B
The product is stable.

Possibility of hazardous reactions: Initial calibration verification standard part A
Under normal conditions of storage and use, hazardous reactions will not occur.
Initial calibration verification standard part B
Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Initial calibration verification standard part A
No specific data.
Initial calibration verification standard part B
No specific data.

Incompatible materials: Initial calibration verification standard part A
Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.
Reactive or incompatible with the following materials: alkalis, metals
Initial calibration verification standard part B
Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.
Reactive or incompatible with the following materials: alkalis, metals

Hazardous decomposition products: Initial calibration verification standard part A
Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Initial calibration verification standard part B
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>nitric acid</td>
<td>LC50 Inhalation Vapour</td>
<td>Rat</td>
<td>2500 ppm</td>
<td>1 hours</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>LC50 Inhalation Vapour</td>
<td>Rat</td>
<td>130 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>6450 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Potassium carbonate</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>4090 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Initial calibration verification standard part B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>nitric acid</td>
<td>LC50 Inhalation Vapour</td>
<td>Rat</td>
<td>2500 ppm</td>
<td>1 hours</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>LC50 Inhalation Vapour</td>
<td>Rat</td>
<td>130 mg/m³</td>
<td>4 hours</td>
</tr>
</tbody>
</table>

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Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part A</td>
<td>Sodium carbonate</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>0.5 minutes 100 milligrams -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 100 milligrams -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams -</td>
</tr>
<tr>
<td>Initial calibration verification standard part B</td>
<td>Silver</td>
<td>Skin - Erythema/Eschar</td>
<td>Rabbit</td>
<td>0.33</td>
<td>- 24 to 48 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eyes - Redness of the conjunctivae</td>
<td>Rabbit</td>
<td>1</td>
<td>- 72 hours</td>
</tr>
</tbody>
</table>

Sensitisation
Not available.

Mutagenicity
Conclusion/Summary: Not available.

Carcinogenicity
Conclusion/Summary: Not available.

Reproductive toxicity
Conclusion/Summary: Not available.

Teratogenicity
Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part A</td>
<td>Sodium carbonate</td>
<td>Category 3</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Potassium carbonate</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
</tbody>
</table>

Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part B</td>
<td>Diarsenic trioxide</td>
<td>Category 1</td>
<td>Not determined</td>
</tr>
<tr>
<td></td>
<td>Lead</td>
<td>Category 2</td>
<td>Not determined</td>
</tr>
<tr>
<td></td>
<td>Cadmium</td>
<td>Category 1</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Aspiration hazard
Not available.

Information on likely routes of exposure: Initial calibration verification standard part A
Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

<table>
<thead>
<tr>
<th>Date of issue/Date of revision</th>
<th>Date of previous issue</th>
<th>Version</th>
<th>14/21</th>
</tr>
</thead>
<tbody>
<tr>
<td>25/04/2018</td>
<td>10/05/2016</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
Section 11. Toxicological information

### Inhalation

**Initial calibration verification standard part A**
- No known significant effects or critical hazards.

**Initial calibration verification standard part B**
- No known significant effects or critical hazards.

### Skin contact

**Initial calibration verification standard part A**
- Causes severe burns.

**Initial calibration verification standard part B**
- Causes severe burns.

### Ingestion

**Initial calibration verification standard part A**
- Corrosive to the digestive tract. Causes burns.

**Initial calibration verification standard part B**
- Corrosive to the digestive tract. Causes burns.

### Eye contact

**Initial calibration verification standard part A**
- Adverse symptoms may include the following:
  - pain
  - watering
  - redness

**Initial calibration verification standard part B**
- Adverse symptoms may include the following:
  - pain
  - watering
  - redness

### Skin contact

**Initial calibration verification standard part A**
- Adverse symptoms may include the following:
  - pain or irritation
  - redness
  - blistering may occur

**Initial calibration verification standard part B**
- Adverse symptoms may include the following:
  - pain or irritation
  - redness
  - blistering may occur

### Ingestion

**Initial calibration verification standard part A**
- Adverse symptoms may include the following:
  - stomach pains

**Initial calibration verification standard part B**
- Adverse symptoms may include the following:
  - stomach pains

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact**
- Adverse symptoms may include the following:
  - pain
  - watering
  - redness

**Inhalation**
- No specific data.

**Skin contact**
- Adverse symptoms may include the following:
  - pain or irritation
  - redness
  - blistering may occur

**Ingestion**
- Adverse symptoms may include the following:
  - stomach pains

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Short term exposure**
- Potential immediate effects: Not available.
- Potential delayed effects: Not available.

**Long term exposure**
- Potential immediate effects: Not available.
- Potential delayed effects: Not available.
Section 11. Toxicological information

Potential chronic health effects

General:
- Initial calibration verification standard part A: No known significant effects or critical hazards.
- Initial calibration verification standard part B: No known significant effects or critical hazards.

Carcinogenicity:
- Initial calibration verification standard part A: No known significant effects or critical hazards.
- Initial calibration verification standard part B: May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity:
- Initial calibration verification standard part A: No known significant effects or critical hazards.
- Initial calibration verification standard part B: No known significant effects or critical hazards.

Teratogenicity:
- Initial calibration verification standard part A: No known significant effects or critical hazards.
- Initial calibration verification standard part B: No known significant effects or critical hazards.

Developmental effects:
- Initial calibration verification standard part A: No known significant effects or critical hazards.
- Initial calibration verification standard part B: No known significant effects or critical hazards.

Fertility effects:
- Initial calibration verification standard part A: No known significant effects or critical hazards.
- Initial calibration verification standard part B: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Other information:
- Initial calibration verification standard part A: Not available.
- Initial calibration verification standard part B: Adverse symptoms may include the following: Sensitisation (Respiratory / Skin).

Section 12. Ecological information

Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part A nitric acid</td>
<td>Acute LC50 180000 μg/l Marine water</td>
<td>Crustaceans - Carcinus maenas Adult</td>
<td>48 hours</td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>Acute LC50 72 ppm Fresh water</td>
<td>Fish - Gambusia affinis Adult</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 &gt;100 mg/l Fresh water</td>
<td>Daphnia</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 &gt;56000 ppm Fresh water</td>
<td>Fish - Gambusia affinis Adult</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 61 mg/g Fresh water</td>
<td>Fish - Oncorhynchus mykiss Juvenile (Fledgling, Hatchling, Weanling)</td>
<td>28 days</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>Acute EC50 242000 μg/l Fresh water</td>
<td>Algae - Navicula seminulum</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 176000 μg/l Fresh water</td>
<td>Crustaceans - Amphipoda</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 265000 μg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 300000 μg/l Fresh water</td>
<td>Fish - Lepomis macrochirus</td>
<td>96 hours</td>
</tr>
<tr>
<td>Potassium carbonate</td>
<td>Acute LC50 630 mg/l Fresh water</td>
<td>Crustaceans - Ceriodaphnia dubia</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 650 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
</tbody>
</table>
## Section 12. Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part B nitric acid</td>
<td>Acute LC50 180000 μg/l Marine water</td>
<td>Crustaceans - Carcinus maenas - Adult</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 72 ppm Fresh water</td>
<td>Fish - Gambusia affinis - Adult</td>
<td>96 hours</td>
</tr>
<tr>
<td>Diarsenic trioxide</td>
<td>Acute EC50 34.7 mg/l Fresh water</td>
<td>Algae - Scenedesmus subspicatus</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 2.5 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 3380 μg/l Marine water</td>
<td>Fish - Terapon jarbua - Juvenile (Fledgling, Hatchling, Weanling)</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic EC10 9.4 mg/l Fresh water</td>
<td>Algae - Scenedesmus subspicatus</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic IC10 1.3 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>21 days</td>
</tr>
<tr>
<td>Lead</td>
<td>Acute EC50 105 ppb Marine water</td>
<td>Algae - Chaetoceros sp. - Exponential growth phase</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 0.489 mg/l Marine water</td>
<td>Algae - Ulva pertusa</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 8000 μg/l Fresh water</td>
<td>Aquatic plants - Lemna minor</td>
<td>4 days</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 530 μg/l Fresh water</td>
<td>Crustaceans - Ceriodaphnia reticulata</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 0.594 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 0.44 ppm Fresh water</td>
<td>Fish - Cyprinus carpio - Juvenile (Fledgling, Hatchling, Weanling)</td>
<td>96 hours</td>
</tr>
<tr>
<td>Silver</td>
<td>Chronic NOEC 0.25 mg/l Marine water</td>
<td>Algae - Ulva pertusa</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.03 μg/l Fresh water</td>
<td>Fish - Cyprinus carpio</td>
<td>4 weeks</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 1.4 μg/l Marine water</td>
<td>Algae - Chroomonas sp.</td>
<td>4 days</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 0.24 μg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 11 μg/l Fresh water</td>
<td>Crustaceans - Ceriodaphnia reticulata</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 2.13 μg/l Fresh water</td>
<td>Fish - Pimephales promelas</td>
<td>96 hours</td>
</tr>
<tr>
<td>Cadmium</td>
<td>Chronic NOEC 5 mg/l Marine water</td>
<td>Algae - Glenodinium halli subcapitata - Exponential growth phase</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 97 μg/l Fresh water</td>
<td>Algae - Pseudokirchneriella</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 0.095 mg/l Marine water</td>
<td>Algae - Ulva pertusa</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 200 μg/l Fresh water</td>
<td>Aquatic plants - Lemna minor</td>
<td>4 days</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 13.5 μg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 0.072 μg/l Marine water</td>
<td>Crustaceans - Amphipoda - Adult</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 1 μg/l Fresh water</td>
<td>Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 2 μg/l Fresh water</td>
<td>Algae - Parachlorella kessleri - Exponential growth phase</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.02 μg/l Fresh water</td>
<td>Fish - Cyprinus carpio</td>
<td>4 weeks</td>
</tr>
</tbody>
</table>

**Persistence and degradability**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part A nitric acid</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
<tr>
<td>Initial calibration verification standard part B nitric acid</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

**Bioaccumulative potential**

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## Section 12. Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part A</td>
<td>-0.21</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>nitric acid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial calibration verification standard part B</td>
<td>-0.21</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>nitric acid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.143</td>
<td>low</td>
</tr>
<tr>
<td>Diarsenic trioxide</td>
<td>-</td>
<td>70</td>
<td>low</td>
</tr>
<tr>
<td>Silver</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mobility in soil

| Soil/water partition coefficient (K<sub>oc</sub>) | Not available. |

### Other adverse effects

No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN3264</td>
<td>CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (nitric acid)</td>
<td>8</td>
<td>III</td>
<td>Yes. The environmentally hazardous substance mark is not required.</td>
</tr>
<tr>
<td>UN3264</td>
<td>CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (nitric acid)</td>
<td>8</td>
<td>III</td>
<td>Yes.</td>
</tr>
<tr>
<td>UN3264</td>
<td>Corrosive liquid, acidic, inorganic, n.o.s. (nitric acid)</td>
<td>8</td>
<td>III</td>
<td>Yes. The environmentally hazardous substance mark is not required.</td>
</tr>
</tbody>
</table>

### Additional information

**ADG**

- Hazchem code: 2X
- Special provisions: 223, 274

**IMDG**

- The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
- Emergency schedules: F-A, S-B
- Special provisions: 223, 274
Section 14. Transport information

IATA: The environmentally hazardous substance mark may appear if required by other transportation regulations.


**Special provisions**: A3, A803

Special precautions for user: **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of Marpol and the IBC Code: Not available.

Section 15. Regulatory information

**Standard Uniform Schedule of Medicine and Poisons**

7, 6, 5

**Model Work Health and Safety Regulations - Scheduled Substances**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part A</td>
<td>Restricted hazardous chemical [For wet abrasive blasting]</td>
</tr>
<tr>
<td>barium salts with the exception of barium sulphate, salts of 1-azo-2-hydroxynaphthalenyl aryl sulphonic acid, and of salts specified elsewhere in this database</td>
<td>Restricted hazardous chemical [For wet abrasive blasting]</td>
</tr>
<tr>
<td>Aluminum(III) nitrate, nonahydrate (1:3:9)</td>
<td>Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.5% (except as specified for wet blasting) as chromium]</td>
</tr>
<tr>
<td>Chromium(III) nitrate, nonahydrate (1:3:9)</td>
<td></td>
</tr>
</tbody>
</table>

| Initial calibration verification standard part B | |
| Manganese dinitrate | Restricted hazardous chemical [For wet abrasive blasting] |
| antimony trioxide | Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.1% as antimony] |
| Arsenic trioxide | Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.1% as arsenic; For spray painting] |
| lead compounds with the exception of those specified elsewhere in this database | Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.1% as lead or which would expose the operator to levels in excess of those set in the regulations covering lead] |
| nickel powder [particle diameter < 1 mm] | Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.1% as nickel] |
| beryllium | Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.1% as beryllium] |
| cadmium (non-pyrophoric) | Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.1% as cadmium] |
| cobalt | Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.1% as cobalt] |

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Version: 4
Section 15. Regulatory information

Chromium(III) nitrate, nonahydrate (1:3:9) Restricted hazardous chemical [For abrasive blasting at a concentration of greater than 0.5% (except as specified for wet blasting) as chromium]

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals
Not listed.

Montreal Protocol (Annexes A, B, C, E)
Not listed.

Stockholm Convention on Persistent Organic Pollutants
Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)
Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>List name</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial calibration verification standard part B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td>Heavy metals - Annex 1</td>
<td>Listed</td>
</tr>
<tr>
<td>Cadmium (Cd)</td>
<td>Heavy metals - Annex 1</td>
<td>Listed</td>
</tr>
</tbody>
</table>

Inventory list

<table>
<thead>
<tr>
<th>Country</th>
<th>Status</th>
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Section 16. Any other relevant information

History

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Key to abbreviations

ADG = Australian Dangerous Goods
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships,
## Section 16. Any other relevant information

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOHSC = National Occupational Health and Safety Commission
SUSMP = Standard Uniform Schedule of Medicine and Poisons
UN = United Nations

### Procedure used to derive the classification

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### References

- Not available.

> Indicates information that has changed from previously issued version.

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