


# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

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

### 1.1 Product identifier

|                               |   |   |
|-------------------------------|---|---|
| Product name                  | <b>UV Test Kit 5 and 10 mm (Test Liquids with 0 - 570 mg/l Ferric Sulfate. 10 bottles with 30 ml each.)</b> |   |
| Catalogue Number              | 29276998  | <br>9 0 2 9 2 7 6 9 9 8 |
| Product description           | Not available.  |   |
| Product type                  | Liquid.   |   |
| Other means of identification | Not available.  |   |

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

#### Identified uses

- ☒ Analytical chemistry.
- ☒ Laboratory chemicals
- ☒ Scientific research and development
- ☒ Consumer use

### 1.3 Details of the supplier of the safety data sheet

|  |   |  |
|--|---|--|
| <b>Supplier</b>  | Cytiva<br>Amersham Place<br>Little Chalfont<br>Buckinghamshire<br>HP7 9NA United Kingdom<br>+44 1494 508000 | <b>Hours of operation</b><br>08.30 - 17.00 |
| <b>Person who prepared the SDS :</b> sds_author@cytiva.com |   |  |

### 1.4 Emergency telephone number

|                            |  |   |
|----------------------------|--|---|
| <b>United Kingdom (UK)</b> | Cytiva UK<br>Amersham Place<br>Little Chalfont<br>Buckinghamshire<br>HP7 9NA<br>t: 0870 606 1921 | Call INFOTRAC 24 Hour number:<br>001-352-323-3500 (Call Collect). |
|----------------------------|--|---|

### National advisory body/Poison Centre

|                            |   |
|----------------------------|---|
| <b>United Kingdom (UK)</b> | Health professionals should contact the National Poisons Information Service (NPIS) by telephone, or use TOXBASE <a href="http://www.toxbase.org">www.toxbase.org</a> .<br><br>NPIS <a href="http://www.npis.org/">http://www.npis.org/</a> advise that others seeking specific information on poisons should contact:<br>In England and Wales: NHS Direct - 0845 4647 or 111<br>In Scotland: NHS 24 - 08454 24 24 24<br>In N Ireland: Contact your local GP or pharmacist during normal hours; click here ( <a href="http://www.gpoutofhours.hscni.net/">www.gpoutofhours.hscni.net/</a> ) for GP services Out-of-Hours. |
|----------------------------|---|

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definitionMixture

Classification according to UK CLP/GHS

Skin Corr. 1, H314

Eye Dam. 1, H318


The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

Causes severe skin burns and eye damage.

Precautionary statements

General

Not applicable.

Prevention

Wear protective gloves, protective clothing and eye or face protection. Do not breathe dust or mist.

Response

IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. 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 doctor. Specific treatment (see the label).

Storage

Not applicable.

Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings

Not applicable.

Tactile warning of danger

Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.


Other hazards which do not result in classification

None known.

SECTION 3: Composition/information on ingredients

| 3.2 Mixtures            |                           | Mixture |  |         |
|-------------------------|---------------------------|---------|--|---------|
| Product/ingredient name | Identifiers               | %       | Classification   | Type    |
| Sulphuric acid          | REACH #: 01-2119458838-20 | 0.97    | Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 | [1] [2] |
|                         | EC: 231-639-5             |         |  |         |
|                         | CAS: 7664-93-9            |         |  |         |
|                         | Index: 016-020-00-8       |         |  |         |
| diiron tris(sulphate)   | REACH #: 01-2119513202-59 | ≤0.57   | Aquatic Chronic 3, H412  | [1] [2] |
|                         | EC: 233-072-9             |         |  |         |
|                         | CAS: 10028-22-5           |         |  |         |

Article Number 29276998



9 5 2 9 2 7 6 9 9 8

Page: 2/11

Validation date 8 September 2025

Version 6

See Section 16 for the full text of the H statements declared above.

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- ☒1] Substance classified with a physical, health or environmental hazard
- ☐2] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures

|                            |   |
|----------------------------|---|
| Eye contact                | <input checked="" type="checkbox"/> 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                 | <input checked="" type="checkbox"/> 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.   |
| Skin contact               | <input checked="" type="checkbox"/> 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                  | <input checked="" type="checkbox"/> Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. 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. |
| Protection of first-aiders | <input checked="" type="checkbox"/> 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.   |

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

|              |  |
|--------------|--|
| Eye contact  | <input checked="" type="checkbox"/> Adverse symptoms may include the following:<br>pain<br>watering<br>redness                           |
| Inhalation   | <input checked="" type="checkbox"/> No specific data.  |
| Skin contact | <input checked="" type="checkbox"/> Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>blistering may occur |
| Ingestion    | <input checked="" type="checkbox"/> Adverse symptoms may include the following:<br>stomach pains   |

4.3 Indication of any immediate medical attention and special treatment needed

|                     |   |
|---------------------|---|
| Notes to physician  | <input checked="" type="checkbox"/> Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | <input checked="" type="checkbox"/> Specific treatment is required.   |

SECTION 5: Firefighting measures

5.1 Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | <input checked="" type="checkbox"/> Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | <input checked="" type="checkbox"/> None known.   |

5.2 Special hazards arising from the substance or mixture



|   |   |
|---|---|
| <b>Hazards from the substance or mixture</b>          | ☑ In a fire or if heated, a pressure increase will occur and the container may burst.   |
| <b>Hazardous combustion products</b>                  | ☑ No specific data.   |
| <b>5.3 Advice for firefighters</b>                    |   |
| <b>Special precautions for fire-fighters</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.   |
| <b>Special protective equipment for fire-fighters</b> | ☑ Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

|                                    |  |
|------------------------------------|--|
| <b>For non-emergency personnel</b> | ☑ 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. |
| <b>For emergency responders</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".  |

6.2 Environmental precautions

☑ 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).

6.3 Methods and material for containment and cleaning up

|                    |  |
|--------------------|--|
| <b>Small spill</b> | ☑ Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
| <b>Large spill</b> | ☑ Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. |

6.4 Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

|   |   |
|---|---|
| <b>Protective measures</b>                    | ☑ 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 breathe dust 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. |
| <b>Advice on general occupational hygiene</b> | ☑ 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.   |

7.2 Conditions for safe storage, including any incompatibilities

☑ Store between the following temperatures: 10 to 30°C (50 to 86°F). 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 locked up. Separate from alkalis. 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.

7.3 Specific end use(s)

|   |  |
|---|--|
| <b>Recommendations</b>                      | Analytical chemistry. Laboratory chemicals. Scientific research and development. |
| <b>Industrial sector specific solutions</b> | Not available.   |

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

| Occupational exposure limits      |   |
|-----------------------------------|---|
| Product/ingredient name           | Exposure limit values   |
| Sulphuric acid                    | EH40/2005 WELs (United Kingdom (UK), 1/2020)<br>TWA 8 hours: 0.05 mg/m³. Form: Solution.  |
| diiron tris(sulphate)             | EH40/2005 WELs (United Kingdom (UK), 1/2020) [iron salts]<br>STEL 15 minutes: 2 mg/m³ (as Fe).<br>TWA 8 hours: 1 mg/m³ (as Fe).   |
| Biological exposure indices       |   |
| No exposure indices known.        |   |
| Recommended monitoring procedures | Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required. |

DNELs/DMELs

| Product/ingredient name | Result   |
|-------------------------|--|
| diiron tris(sulphate)   | <b>DNEL - General population - Long term - Oral</b><br>0.28 mg/kg bw/day<br>Effects: Systemic<br><br><b>DNEL - General population - Long term - Dermal</b><br>1.4 mg/kg bw/day<br>Effects: Systemic<br><br><b>DNEL - Workers - Long term - Dermal</b><br>2.8 mg/kg bw/day<br>Effects: Systemic<br><br><b>DNEL - General population - Short term - Oral</b><br>20 mg/kg bw/day<br>Effects: Systemic |

PNECs

Not available.

8.2 Exposure controls

| Appropriate engineering controls | If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.  |
|----------------------------------|--|
| Individual protection measures   |  |
| Hygiene measures                 | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.  |
| 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                  |  |
| Hand protection                  | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Body 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.   |

|                                 |  |
|---------------------------------|--|
| Environmental exposure controls | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
|---------------------------------|--|

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

|  |  |                                |        |       |     |        |
|--|--|--------------------------------|--------|-------|-----|--------|
| <b>Appearance</b>                            |  |                                |        |       |     |        |
| Physical state                               | Liquid.  |                                |        |       |     |        |
| Colour                                       | Colourless.  |                                |        |       |     |        |
| Odour  | Odourless.   |                                |        |       |     |        |
| Odour threshold                              | Not available.   |                                |        |       |     |        |
| pH   | 1.3  |                                |        |       |     |        |
| Melting point/freezing point                 | Not available.   |                                |        |       |     |        |
| Initial boiling point and boiling range      | Not available.   |                                |        |       |     |        |
| Flammability (solid, gas)                    | Not available.   |                                |        |       |     |        |
| Upper/lower flammability or explosive limits | Not available.   |                                |        |       |     |        |
| Flash point                                  | Not applicable.  |                                |        |       |     |        |
| Auto-ignition temperature                    | Not available.   |                                |        |       |     |        |
| Decomposition temperature                    | Not available.   |                                |        |       |     |        |
| Viscosity                                    | Dynamic (room temperature): Not available.<br>Kinematic (room temperature): Not available.<br>Kinematic (40°C): Not available. |                                |        |       |     |        |
| <b>Solubility(ies)</b>                       |  |                                |        |       |     |        |
| <b>Media</b>                                 | <b>Result</b>  |                                |        |       |     |        |
| Cold water                                   | Easily soluble   |                                |        |       |     |        |
| hot water                                    | Easily soluble   |                                |        |       |     |        |
| Solubility in water                          | Not available.   |                                |        |       |     |        |
| Partition coefficient: n-octanol/ water      | Not applicable.  |                                |        |       |     |        |
| Vapour pressure                              | Not available.   |                                |        |       |     |        |
|  |  |                                |        |       |     |        |
|  | <b>Vapour Pressure at 20°C</b>   | <b>Vapour pressure at 50°C</b> |        |       |     |        |
| Ingredient name                              | mm Hg  | kPa                            | Method | mm Hg | kPa | Method |
| Water  | 17.5   | 2.3                            |        |       |     |        |
| Evaporation rate                             | Not available.   |                                |        |       |     |        |
| Relative density                             | Not available.   |                                |        |       |     |        |
| Vapour density                               | Not available.   |                                |        |       |     |        |
| Explosive properties                         | Not available.   |                                |        |       |     |        |
| Oxidising properties                         | Not available.   |                                |        |       |     |        |
| <b>Particle characteristics</b>              |  |                                |        |       |     |        |
| Median particle size                         | Not applicable.  |                                |        |       |     |        |
| <b>9.2 Other information</b>                 |  |                                |        |       |     |        |
| Not available.                               |  |                                |        |       |     |        |
| Burning time                                 | Not applicable.  |                                |        |       |     |        |
| Burning rate                                 | Not applicable.  |                                |        |       |     |        |
| Solubility in water                          | Not available.   |                                |        |       |     |        |

SECTION 10: Stability and reactivity

|   |   |
|---|---|
| 10.1 Reactivity                         | No specific test data related to reactivity available for this product or its ingredients.  |
| 10.2 Chemical stability                 | The product is stable.  |
| 10.3 Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur.   |
| 10.4 Conditions to avoid                | No specific data.   |
| 10.5 Incompatible materials             | Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.<br>Reactive or incompatible with the following materials:<br>alkalis |
| 10.6 Hazardous decomposition products   | Under normal conditions of storage and use, hazardous decomposition products should not be produced.  |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result                          |
|-------------------------|---------------------------------|
| Sulphuric acid          | Rat - Oral - LD50<br>2140 mg/kg |

Conclusion/Summary [Product] Not available.

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| Sulphuric acid          | 2140         | N/A            | N/A                      | N/A                         | N/A                                 |

Skin corrosion/irritation

Not available.

Conclusion/Summary [Product] Not available.

Serious eye damage/eye irritation

Not available.

Conclusion/Summary [Product] Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] Not available.

Respiratory

Conclusion/Summary [Product] Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] Not available.

Carcinogenicity



Not available.

**Conclusion/Summary [Product]** Not available.

**Reproductive toxicity**

Not available.

**Conclusion/Summary [Product]** Not available.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on likely routes of exposure**    Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

**Potential acute health effects**

- Inhalation                      Causes serious eye damage.
- Ingestion                      No known significant effects or critical hazards.
- Skin contact                      Causes severe burns.
- Eye contact                      Causes serious eye damage.

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

- Inhalation                      No specific data.
- Ingestion                      Adverse symptoms may include the following:  
stomach pains
- Skin contact                      Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Eye contact                      Adverse symptoms may include the following:  
pain  
watering  
redness

**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.

**Potential chronic health effects**

Not available.

**Conclusion/Summary [Product]** Not available.

- General**                      No known significant effects or critical hazards.
- Carcinogenicity**                      No known significant effects or critical hazards.
- Mutagenicity**                      No known significant effects or critical hazards.
- Reproductive toxicity**                      No known significant effects or critical hazards.
- Other information**                      Not available.



SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name                                    | Result   |
|--|--|
| <div><div><div></div><div>Sulphuric acid</div></div></div> | <div><b>Acute - LC50 - Marine water</b><br/>Crustaceans - Aesop shrimp - <i>Pandalus montagui</i> - Adult<br/>42.5 mg/l [48 hours]<br/><u>Effect</u>: Mortality</div> <div><b>Acute - LC50 - Marine water</b><br/>Fish - Hooknose - <i>Agonus cataphractus</i><br/><u>Size</u>: 50 to 100 mm; <u>Weight</u>: 2 to 8 g<br/>36 µl/l [96 hours]<br/><u>Effect</u>: Mortality</div> <div><b>Acute - LC50 - Fresh water</b><br/>Fish - Brown trout - <i>Salmo trutta</i> - Fingerling<br/><u>Weight</u>: 15 to 30 g<br/>28 mg/l [4 days]<br/><u>Effect</u>: Mortality</div> <div><b>Acute - EC50 - Fresh water</b><br/>Crustaceans - Aquatic sowbug - <i>Asellus aquaticus</i> - Adult<br/><u>Size</u>: 7 mm; <u>Weight</u>: 1.5 mg<br/>120 mg/l [48 hours]<br/><u>Effect</u>: Intoxication</div> |
| diiron tris(sulphate)                                      |  |
| <b>Conclusion/Summary [Product]</b>                        | Not available.   |

12.2 Persistence and degradability

Not available.

**Conclusion/Summary [Product]** Not available.

12.3 Bioaccumulative potential

|   |   |               |     |
|---|---|---------------|-----|
| <div><div><div></div><div>1</div></div></div> | - | 20 [OECD 305] | Low |
|---|---|---------------|-----|

12.4 Mobility in soil

**Soil/water partition coefficient** Not available.

**Mobility** Not available.

12.5 Results of PBT and vPvB assessment

|  |    |    |    |    |    |    |    |
|--|----|----|----|----|----|----|----|
| <div><div><div></div><div>Sulphuric acid</div></div></div> | No | No | No | No | No | No | No |
| diiron tris(sulphate)                                      | No | No | No | No | No | No | No |

**12.6 Other adverse effects**

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods





**Product**

|                            |   |
|----------------------------|---|
| <b>Methods of disposal</b> | <div><div></div>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.</div> |
| <b>Hazardous waste</b>     | <div><div></div>The classification of the product may meet the criteria for a hazardous waste.</div>  |

**Packaging**

|                            |   |
|----------------------------|---|
| <b>Methods of disposal</b> | <div><div></div>The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.</div>  |
| <b>Special precautions</b> | <div><div></div>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.</div> |

SECTION 14: Transport information

|                                 | ADR/RID  | ADN  | IMDG  | IATA   |
|---------------------------------|--|--|---|--|
| 14.1 UN number                  | UN2796   | UN2796   | UN2796  | UN2796   |
| 14.2 UN proper shipping name    | Sulphuric acid   | Sulphuric acid   | Sulphuric acid  | Sulphuric acid   |
| 14.3 Transport hazard class(es) | 8<br> | 8<br> | 8<br> | 8<br> |
| 14.4 Packing group              | II   | II   | II  | II   |
| 14.5 Environmental hazards      | No.  | No.  | No.   | No.  |
| Additional information          | -  | -  | -   | -  |

14.6 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.

14.7 Transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information

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

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name  | %   | Designation [Usage] |
|--|---|---------------------|
| <input checked="" type="checkbox"/> UV Test Kit, 5 and 10 mm (Test Liquids with 0-570 mg/l Ferric Sulfate. 10 bottles with 30 ml each) | ≥90   | 3                   |
| Labelling  | <input checked="" type="checkbox"/> Not applicable. |                     |

Seveso Directive

☒ This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air

Not listed

Industrial emissions (integrated pollution prevention and control) - Water

Not listed

International regulations



Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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

Not listed.

Inventory list

|                                 |   |
|---------------------------------|---|
| United States                   | All components are active or exempted.  |
| Canada inventory                | All components are listed or exempted.  |
| China                           | All components are listed or exempted.  |
| Japan                           | Japan inventory (CSCL): All components are listed or exempted.<br>Japan inventory (ISHL): Not determined. |
| 15.2 Chemical safety assessment | This product contains substances for which Chemical Safety Assessments are still required.                |

SECTION 16: Other information

Indicates information that has changed from previously issued version.

|                            |  |
|----------------------------|--|
| Abbreviations and acronyms | ATE = Acute Toxicity Estimate<br>GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments<br>DMEL = Derived Minimal Effect Level<br>DNEL = Derived No Effect Level<br>EUH statement = GB CLP-specific Hazard statement<br>N/A = Not available<br>PBT = Persistent, Bioaccumulative and Toxic<br>PNEC = Predicted No Effect Concentration<br>RRN = REACH Registration Number<br>SGG = Segregation Group<br>vPvB = Very Persistent and Very Bioaccumulative |
|----------------------------|--|

Procedure used to derive the classification

| Classification                         | Justification  |
|--|--|
| Skin Corr. 1, H314<br>Eye Dam. 1, H318 | On basis of test data<br>On basis of test data   |
| Full text of abbreviated H statements  | H314 Causes severe skin burns and eye damage.<br>H318 Causes serious eye damage.<br>H412 Harmful to aquatic life with long lasting effects.  |
| Full text of classifications           | Aquatic Chronic 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3<br>Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1<br>Skin Corr. 1 SKIN CORROSION/IRRITATION - Category 1<br>Skin Corr. 1A SKIN CORROSION/IRRITATION - Category 1A |
| Date of printing                       | 08 September 2025  |
| Date of issue/ Date of revision        | 08 September 2025  |
| Date of previous issue                 | 30 March 2022  |
| Version                                | 6  |

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.