


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 | Peroxide Solution; part of 'ECL™ Prime Western Blotting Detection Reagent' | |
| Catalogue Number | RPN2232SK |  |
| Component Number | RPN2232S2 | |
| 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

 Use in laboratories

1.3 Details of the supplier of the safety data sheet

| | | |
|-----------------|---|--|
| Supplier | Cytiva Amersham Place Little Chalfont Buckinghamshire HP7 9NA United Kingdom +44 1494 508000 | Hours of operation 08.30 - 17.00 |
|-----------------|---|--|

Person who prepared the SDS : sds_author@cytiva.com

| | | |
|----------------------------|--|--|
| United Kingdom (UK) | Cytiva UK Amersham Place Little Chalfont Buckinghamshire HP7 9NA t: 0870 606 1921 | 1.4 Emergency telephone number Call INFOTRAC 24 Hour number: 001-352-323-3500 (Call Collect). |
|----------------------------|--|--|

National advisory body/Poison Centre

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

Not classified.

The product is not 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 wordNo signal word.

Hazard statementsNo known significant effects or critical hazards.

Precautionary statements

GeneralNot applicable.

PreventionNot applicable.

ResponseNot applicable.

StorageNot applicable.

DisposalNot applicable.

Supplemental label elementsSafety data sheet available on request.

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

Special packaging requirements

Containers to be fitted with child-resistant fasteningsNot applicable.

Tactile warning of dangerNot 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 classificationNone known.

SECTION 3: Composition/information on ingredients

3.2 MixturesMixture

| Product/ingredient name | Identifiers | % | Classification | Type |
|--|--|---------|---|---------|
| perboric acid (HBO(O2)), sodium salt, tetrahydrate | CAS: 10486-00-7 Index: 005-018-01-X | 0.1 - 1 | Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Dam. 1, H318 Repr. 1B, H360Df STOT SE 3, H335 | [1] [2] |

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 carcinogenic, mutagenic or reproductive toxicity properties

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



SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|-----------------------------------|--|
| Eye contact | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Protection of first-aiders | No action shall be taken involving any personal risk or without suitable training. |

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

| | |
|---------------------|-------------------|
| Eye contact | No specific data. |
| Inhalation | No specific data. |
| Skin contact | No specific data. |
| Ingestion | No specific data. |

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|----------------------------|---|
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | No specific treatment. |

SECTION 5: Firefighting measures

5.1 Extinguishing media

| | |
|-------------------------------------|---|
| Suitable extinguishing media | Use an extinguishing agent suitable for the surrounding fire. |
|-------------------------------------|---|

| | |
|---------------------------------------|-------------|
| Unsuitable extinguishing media | None known. |
|---------------------------------------|-------------|

5.2 Special hazards arising from the substance or mixture

| | |
|--|---|
| Hazards from the substance or mixture | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous combustion products | No specific data. |

5.3 Advice for firefighters

| | |
|---|---|
| Special precautions for fire-fighters | 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. |
| Special protective equipment for fire-fighters | 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

| | |
|------------------------------------|---|
| For non-emergency personnel | 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. Put on appropriate personal protective equipment. |
| For emergency responders | 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

| | |
|--------------------|--|
| Small spill | 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. |
| Large spill | Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. 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**Protective measures**

Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

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 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. 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)**Recommendations**

Research and Development Analytical reagent. Analytical chemistry.

Industrial sector specific solutions

Not available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

No exposure limit value known.

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

Not available.

PNECs

Not available.

8.2 Exposure controls**Appropriate engineering controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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: safety glasses with side-shields.

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.

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

| | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------------|--------------------------------|--------------------------------|-----|--------------------------------|--|--|-------|-----|--------|-------|-----|--------|-------|------|-----|--|--|--|--|
| <u>Appearance</u> | | | | | | | | | | | | | | | | | | | | | |
| Physical state | Liquid. | | | | | | | | | | | | | | | | | | | | |
| Colour | Clear. Colourless. | | | | | | | | | | | | | | | | | | | | |
| Odour | Not available. | | | | | | | | | | | | | | | | | | | | |
| Odour threshold | Not available. | | | | | | | | | | | | | | | | | | | | |
| pH | Not available. | | | | | | | | | | | | | | | | | | | | |
| 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. Kinematic (room temperature): Not available. Kinematic (40°C): Not available. | | | | | | | | | | | | | | | | | | | | |
| <u>Solubility(ies)</u> | | | | | | | | | | | | | | | | | | | | | |
| Media | Result | | | | | | | | | | | | | | | | | | | | |
| Cold water | Easily soluble | | | | | | | | | | | | | | | | | | | | |
| hot water | Easily soluble | | | | | | | | | | | | | | | | | | | | |
| Solubility in water | Not available. | | | | | | | | | | | | | | | | | | | | |
| Miscible with water | Yes. | | | | | | | | | | | | | | | | | | | | |
| Partition coefficient: n-octanol/ water | Not applicable. | | | | | | | | | | | | | | | | | | | | |
| Vapour pressure | Not available. | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td rowspan="2">Ingredient name</td><td colspan="3"><u>Vapour Pressure at 20°C</u></td><td colspan="3"><u>Vapour pressure at 50°C</u></td></tr><tr><td>mm Hg</td><td>kPa</td><td>Method</td><td>mm Hg</td><td>kPa</td><td>Method</td></tr><tr><td>Water</td><td>17.5</td><td>2.3</td><td></td><td></td><td></td><td></td></tr></table> | | Ingredient name | <u>Vapour Pressure at 20°C</u> | | | <u>Vapour pressure at 50°C</u> | | | mm Hg | kPa | Method | mm Hg | kPa | Method | Water | 17.5 | 2.3 | | | | |
| Ingredient name | <u>Vapour Pressure at 20°C</u> | | | <u>Vapour pressure at 50°C</u> | | | | | | | | | | | | | | | | | |
| | 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. | | | | | | | | | | | | | | | | | | | | |
| <u>Particle characteristics</u> | | | | | | | | | | | | | | | | | | | | | |
| Median particle size | Not applicable. | | | | | | | | | | | | | | | | | | | | |
| 9.2 Other information | | | | | | | | | | | | | | | | | | | | | |
| 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

No specific data.
- 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

perboric acid (HBO(O2)), sodium salt, tetrahydrate

Result

Rat - Oral - LD50

1200 mg/kg

Toxic effects: Behavioral - Convulsions or effect on seizure threshold

Behavioral - Muscle weakness

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) |
|--|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| perboric acid (HBO(O2)), sodium salt, tetrahydrate | 1200 | N/A | N/A | 11 | 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)

| Product/ingredient name | Result |
|--|--|
| perboric acid (HBO(O2)), sodium salt, tetrahydrate | STOT SE 3, H335 (Respiratory tract irritation) |

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 | <input checked="" type="checkbox"/> No known significant effects or critical hazards. |
| Ingestion | <input checked="" type="checkbox"/> No known significant effects or critical hazards. |
| Skin contact | <input checked="" type="checkbox"/> No known significant effects or critical hazards. |
| Eye contact | <input checked="" type="checkbox"/> No known significant effects or critical hazards. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|--------------|---|
| Inhalation | <input checked="" type="checkbox"/> No specific data. |
| Ingestion | <input checked="" type="checkbox"/> No specific data. |
| Skin contact | <input checked="" type="checkbox"/> No specific data. |
| Eye contact | <input checked="" type="checkbox"/> No specific data. |

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 | <input checked="" type="checkbox"/> No known significant effects or critical hazards. |
| Carcinogenicity | <input checked="" type="checkbox"/> No known significant effects or critical hazards. |
| Mutagenicity | <input checked="" type="checkbox"/> No known significant effects or critical hazards. |
| Reproductive toxicity | <input checked="" type="checkbox"/> No known significant effects or critical hazards. |
| Other information | Not available. |



SECTION 12: Ecological information

12.1 Toxicity

Not available.

Conclusion/Summary [Product] Not available.

12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product] Not available.

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| Not available. | | | |

12.4 Mobility in soil

Soil/water partition coefficient Not available.

Mobility Not available.

12.5 Results of PBT and vPvB assessment

☒ perboric acid (HBO(O2)), sodium salt, tetrahydrate 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

Methods of disposal ☒ 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.

Hazardous waste ☒ Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal ☒ 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.

Special precautions ☒ This material and its container must be disposed of in a safe way. 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

| | ADR/RID | ADN | IMDG | IATA |
|---------------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN number | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name | - | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - | - |
| 14.4 Packing group | - | - | - | - |
| 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

| Intrinsic property | Ingredient name | Status | Reference number | Date of revision |
|-------------------------|--|--------|------------------|------------------|
| ☒ Toxic to reproduction | sodium perborate, perboric acid, sodium salt | Listed | 48 | 1/1/2021 |

Substances of very high concern

| Intrinsic property | Ingredient name | Status | Reference number | Date of revision |
|-------------------------|--|-----------|------------------|------------------|
| ☒ Toxic to reproduction | sodium perborate, perboric acid, sodium salt | Candidate | - | 6/16/2014 |

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

| Part | Ingredient name | Status |
|-------------|-----------------|--------|
| 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

No listed substance

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 Not determined.
Canada inventory Not determined.
China All components are listed or exempted.



Japan**Japan inventory (CSCL):** All components are listed or exempted.**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
 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
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EUH statement = GB CLP-specific Hazard statement
 N/A = Not available
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number
 SGG = Segregation Group
 vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

| Classification | Justification |
|-----------------|---------------|
| Not classified. | |

Full text of abbreviated H statements

H302 Harmful if swallowed.
 H318 Causes serious eye damage.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H360Df May damage the unborn child. Suspected of damaging fertility.

Full text of classifications

Acute Tox. 4 ACUTE TOXICITY - Category 4
 Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
 Repr. 1B REPRODUCTIVE TOXICITY - Category 1B
 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

Date of printing

08 January 2026

Date of issue/ Date of revision

08 January 2026

Date of previous issue

18 December 2020

Version

5.01

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.

