

SAFETY DATA SHEET

| United States | | |
|--|--|--|
| Section 1. Identification Product name | Lysis Reagent 1: | part of 'Prostaglandin E ₂ |
| | Assay' | |
| Catalogue Number | RPN222 | 9 0 R P N 2 2 2 |
| Chemical name Other means of identification | | , bromide (1:1); 1-Dodecanaminium, N,N,N-trimethyl-, bromide; de; N,N,N-Trimethyl-1-dodecanaminium bromide; cayl trimethyl aminium bromide |
| Product type | Solid. | |
| Relevant identified uses of the s | ubstance or mixture and uses advise | ad against |
| Identified uses Analytical chemistry. Laboratory chemicals Scientific research and developn Industrial applications: Analytical | nent chemistry. Laboratory use. Scientific re | esearch and development. |
| Supplier | Cytiva Amersham Place Little Chalfont Buckinghamshire HP7 9NA United Kingdom +44 0800 515 313 | Cytiva USA 100 Results Way Marlborough, MA 01752 1-800-526-3593 |
| In case of emergency | INFOTRAC - 24 Hour number: 1-800 Outside of the United States, call 24 | -535-5053 Hour number: 001-352-323-3500 (Call Collect) |
| Section 2. Hazards iden | tification | |
| OSHA/HCS status | This material is considered hazardou 1910.1200). | s by the OSHA Hazard Communication Standard (29 CFR |
| Classification of the substance or mixture | ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICI Category 3 AQUATIC HAZARD (ACUTE) - Categ AQUATIC HAZARD (LONG-TERM) - | TY (SINGLE EXPOSURE) (Respiratory tract irritation) - |
| <u>GHS label elements</u> Hazard pictograms | | |
| Signal word Hazard statements | Warning Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. Very toxic to aquatic life with long las | ting effects. |

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| Precautionary statements | |
|-------------------------------------|---|
| Prevention | Wear protective gloves. Wear eye or face protection. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. |
| Response | Collect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |
| Storage | Store locked up. |
| Disposal | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazards not otherwise classified | None known. |

Section 3. Composition/information on ingredients

| Substance/mixture Chemical name | Substance dodecyltrimethylammonium bromide | | |
|---|--|---------------------|--------------------------------|
| Other means of identification | 1-Dodecanaminium, N,N,N-trimethyl-, bromid Ammonium, dodecyltrimethyl-, bromide; N,N, LAURTRIMONIUM BROMIDE; Dodecayl trim | N-Trimethyl-1-dodec | anaminium bromide; |
| CAS number/other identifiers CAS number | 1119-94-4 | | |
| Ingredient name dodecyltrimethylammonium bromi | de | % 100 | CAS number 1119-94-4 |
| Any concentration shown as a ran | ge is to protect confidentiality or is due to batch | variation. | |

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 | 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. Get medical attention. |
|--------------------------------|---|
| Inhalation | 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. Get medical attention. If necessary, call a poison center or physician. 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. |
| Skin contact | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention. If necessary, call a poison center or 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. |
| Most important symptoms/effect | ts, acute and delayed |

Potential acute health effects

| Eye contact | Causes serious eye irritation. |
|--------------|-----------------------------------|
| Inhalation | May cause respiratory irritation. |
| Skin contact | Causes skin irritation. |
| Ingestion | Harmful if swallowed. |

Over-exposure signs/symptoms

Eye contact

Adverse symptoms may include the following: pain or irritation watering redness



Lysis Reagent 1; part of 'Prostaglandin E₂ Assay'

| Inhalation | Adverse symptoms may include the following: respiratory tract irritation |
|-------------------------------|--|
| | coughing |
| Skin contact | Adverse symptoms may include the following: |
| | irritation |
| | redness |
| Ingestion | No specific data. |
| Indication of immediate medio | cal attention and special treatment needed, if necessary |
| Notes to physician | 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 | No specific treatment. |
| Protection of first-aiders | 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. |
| See toxicological information | (Section 11) |

Section 5. Fire-fighting measures

Extinguishing media

| Suitable extinguishing media | Use an extinguishing agent suitable for the surrounding fire. |
|---|--|
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | 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 | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds |
| Special protective actions 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. |

Section 6. Accidental release measures

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 spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|-----------------------------------|---|
| For emergency responders | If specialized 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 | Avoid dispersal of spilled 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 materials for contain | inment and cleaning up |
| Small spill | Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Large spill | Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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| occupational hygiene | Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
|---|--|
| 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. Store locked up. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits dodecyltrimethylammonium bromide

| Appropriate engineering controls | Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor 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. |
|------------------------------------|--|
| 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. |
| 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. |
| 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. |

Section 9. Physical and chemical properties

| <u>Appearance</u> | |
|---------------------------|--|
| Physical state | Solid. |
| Color | White. |
| Odor | Odorless. |
| Odor threshold | Not available. |
| рН | Not available. |
| Melting point | 264 to 266°C (507.2 to 510.8°F) |
| Boiling point | Not available. |
| Flash point | [Product does not sustain combustion.] |
| Burning time | Not available. |
| Burning rate | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Lower and upper explosive | Not available. |
| (flammable) limits | |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility | Not available. |

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| Solubility in water | Not available. |
|--|----------------|
| Partition coefficient: n-octanol/ water | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| SADT | Not available. |
| Viscosity | Not available. |
| Flow time (ISO 2431) | Not available. |
| Molecular weight | 308.41 g/mole |
| <u>Aerosol product</u> | |

Section 10. Stability and reactivity

| Reactivity | No specific test data related to reactivity available for this product or its ingredients. |
|---------------------------------------|--|
| Chemical stability | The product is stable. |
| Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | No specific data. |
| Incompatible materials | No specific data. |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion Not available.

Sensitization Not available.

Mutagenicity

Not available.

Carcinogenicity Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

| Name | Category | Route of exposure | Target organs |
|----------------------------------|------------|-------------------|-------------------|
| dodecyltrimethylammonium bromide | Category 3 | Not applicable. | Respiratory tract |

Specific target organ toxicity (repeated exposure) Not available.

Aspiration hazard

Not available.

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

Potential acute health effects

| Eye contact | Causes serious eye irritation. |
|--------------|-----------------------------------|
| Inhalation | May cause respiratory irritation. |
| Skin contact | Causes skin irritation. |
| Ingestion | Harmful if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics



Respiratory tract irritation

| Lysis Reagent 1, part of Prostagia | num E ₂ Assay | | | | | RPIN222 |
|--|--|--------------------|-------------------|--------------------------------|----------------------------------|---|
| Eye contact | Adverse symptoms may ir pain or irritation watering redness | nclude the follov | ving: | | | |
| Inhalation | Adverse symptoms may include the following: respiratory tract irritation | | | | | |
| Skin contact | coughing Adverse symptoms may include the following: irritation | | | | | |
| Ingestion | redness No specific data. | | | | | |
| Delayed and immediate effects a | • | om short and le | ona term exc | osure | | |
| 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. | | | | | | |
| General | No known significant effe | cts or critical ha | zards. | | | |
| Carcinogenicity | No known significant effe | | | | | |
| Mutagenicity | No known significant effect | | | | | |
| Teratogenicity | No known significant effect | | | | | |
| Developmental effects Fertility effects | No known significant effects or critical hazards. No known significant effects or critical hazards. | | | | | |
| Numerical measures of toxicity | no kilowi olgimodili olo | | | | | |
| Acute toxicity estimates | | | | | | |
| | | Oral (ma/ka) | Dormal | Inholation | Inholation | Inholation |
| Product/ingredient name | | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/ I) |
| dodecyltrimethylammonium brom | lide | 500 | N/A | N/A | N/A | N/A |
| Section 12. Ecological in | formation | | | | | |
| Toxicity Not available. | | | | | | |
| Persistence and degradability Not available. | | | | | | |
| <u>Bioaccumulative potential</u> Not available. | | | | | | |
| <u>Mobility in soil</u> Soil/water partition coefficient (K | Not available. | | | | | |
| _{oc}) Other adverse effects | No known significant effe | cts or critical ha | zards. | | | |
| Section 13. Disposal cor | nsiderations | | | | | |
| Disposal methods RCRA classification | The generation of waste should be avoided or minimized 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 rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Not classified | | | | | |
| | | | | | | |



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| | | TDC Close if is stion | Maxiaa Classification | |
|--|--|--|--|--|
| UN number | DOT Classification UN3077 | TDG Classification UN3077 | Mexico Classification UN3077 | |
| UN proper shipping name Transport hazard class(es) | Environmentally hazardous substance, solid, n.o.s. (dodecyltrimethylammonium bromide) 9 | Environmentally hazardous substance, solid, n.o.s. (dodecyltrimethylammonium bromide) 9 | Environmentally hazardous substance, solid, n.o.s. (dodecyltrimethylammonium bromide) 9 | |
| | | | | |
| Packing group | 111 | 111 | 111 | |
| Environmental hazards Additional information | Yes. Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. This product is not regulated as a hazardous material when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of §§ 173.24 and 173.24a. | Yes. Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark). Non-bulk packages of this product are not regulated as dangerous goods when transported by road or rail. | Yes. The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. | |
| | ADR/RID | IMDG | ΙΑΤΑ | |
| UN number | UN3077 | UN3077 | UN3077 | |
| UN proper shipping name | Environmentally hazardous substance, solid, n.o.s. (dodecyltrimethylammonium bromide) | Environmentally hazardous substance, solid, n.o.s. (dodecyltrimethylammonium bromide) | Environmentally hazardous substance, solid, n.o.s. (dodecyltrimethylammonium bromide) | |
| Transport hazard class(es) | 9 | 9 | 9 | |
| | | | | |
| Packing group | 111 | 111 | 111 | |
| Environmental hazards | Yes. | Yes. | Yes. | |
| Additional information | This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. | This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. | This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8. | |
| 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. | | | |
| Proper | shipping name | Not available. | | |
| Ship ty | | Not available. | | |
| Pollution category | | Not available. | | |

Section 15. Regulatory information

U.S. Federal regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

| Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) | Not listed |
|--|------------|
| Clean Air Act Section 602 Class I Substances | Not listed |
| Clean Air Act Section 602 Class II Substances | Not listed |
| DEA List I Chemicals (Precursor Chemicals) | Not listed |
| DEA List II Chemicals (Essential Chemicals) | Not listed |

SARA 302/304

Composition/information on ingredients



| Lyolo Rougone I, part of 1100 | | | | |
|--|---------------------------------------|---|--|--|
| No products were found. | | | | |
| SARA 304 RQ | Not applicable. | | | |
| SARA 311/312 | | | | |
| Classification | SKIN IRRITATION - EYE IRRITATION - | ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 | | |
| Composition/information | on ingredients | | | |
| Name | % | Classification | | |
| dodecyltrimethylammonium | bromide 100 | ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 | | |
| State regulations | | | | |
| Massachusetts | This material is not I | isted. | | |
| New York | This material is not I | isted. | | |
| New Jersey | This material is not I | isted. | | |
| Pennsylvania | This material is not I | isted. | | |
| California Prop. 65 | | | | |
| This product does not r | require a Safe Harbor warni | ing under California Prop. 65. | | |
| International regulations | | | | |
| Chemical Weapon Conven | ntion List Schedules I, II & | III Chemicals | | |
| Not listed. | | | | |
| Montreal Protocol Not listed. | | | | |
| Stockholm Convention on Not listed. | Persistent Organic Pollut | <u>tants</u> | | |
| Rotterdam Convention on Not listed. | Prior Informed Consent (| PIC) | | |
| UNECE Aarhus Protocol o Not listed. | on POPs and Heavy Metals | 2 | | |
| Inventory list | | | | |
| United States | This material is listed | d or exempted. | | |
| _ | This material is liste | d or exempted | | |
| Europe | | d of exempted. | | |

Section 16. Other information

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification

Justification



| Lysis Reagent 1, part of 1 Tostagiai | lulli L2 Assay | | |
|---|--|--|--|
| ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1 | | Expert judgment Expert judgment Regulatory data Expert judgment Expert judgment Expert judgment | |
| History | | | |
| Date of printing | 4/27/2021 | | |
| Date of issue/Date of revision | 4/27/2021 | | |
| Date of previous issue | 10/4/2019 | | |
| Version | 8 | | |
| | sds_author@cytiva.com | | |
| Key to abbreviations | ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations | | |
| References | Not available. | | |
| Indicates information that has changed from previously issued version. | | | |

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.

