

SAFETY DATA SHEET

United States

Section 1. Identification

Product name

PlusOne SDS, 100 g

Catalogue Number

17131301



9 0 1 7 1 3 1 3 0 1

Chemical name

Sodium Dodecyl Sulphate

Other means of identification

Sulfuric acid monododecyl ester sodium salt (1:1); Sulfuric acid monododecyl ester sodium salt; Sulfuric acid, monododecyl ester, sodium salt; Dodecyl hydrogen sulfate; Sodium dodecyl sulfate; SODIUM LAURYL SULFATE; Dodecyl sodium sulphate; ethylcellulose, in the form of an aqueous dispersion containing hexadecan-1-ol (CAS RN 36653-82-4) and sodium dodecyl sulphate (CAS RN 151-21-3), containing by weight 27 (\pm 3) % of ethylcellulose; SODIUM MONODECYL SULFATE; SODIUM LAURYL SULFATE, DENTAL GRADE; SODIUM LAURYL SULFATE 30%

Product type

Powder.

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

Identified uses

Analytical chemistry.

Laboratory chemicals

Scientific research and development

Consumer use

Supplier

Cytiva
Amersham Place
Little Chalfont
Buckinghamshire
HP7 9NA United Kingdom
+44 1494 508000

Cytiva USA
100 Results Way
Marlborough, MA 01752
1-800-526-3593

In case of emergency

INFOTRAC - 24 Hour number: 1-800-535-5053

Outside of the United States, call 24 Hour number: 001-352-323-3500 (Call Collect)

Section 2. Hazards identification

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

ACUTE TOXICITY (oral) - Category 4
SKIN IRRITATION - Category 2
EYE IRRIGATION - Category 2A
AQUATIC HAZARD (ACUTE) - Category 1
AQUATIC HAZARD (LONG-TERM) - Category 3

GHS label elements

Hazard pictograms



Signal word

Warning

Hazard statements

Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
Very toxic to aquatic life.
Harmful to aquatic life with long lasting effects.



Precautionary statements

| | |
|---|---|
| Prevention | Wear protective gloves. Wear eye or face protection. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. |
| Response | Collect spillage. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. 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 advice or attention. |
| Storage | Not applicable. |
| Disposal | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazards not otherwise classified | None known. |
| Hazards identified when used | No known significant effects or critical hazards. |

Section 3. Composition/information on ingredients

| | | | |
|--------------------------------------|---|----------|--------------------|
| Substance/mixture | Substance | | |
| Chemical name | Sodium Dodecyl Sulphate | | |
| Other means of identification | Sulfuric acid monododecyl ester sodium salt (1:1); Sulfuric acid monododecyl ester sodium salt; Sulfuric acid, monododecyl ester, sodium salt; Dodecyl hydrogen sulfate; Sodium dodecyl sulfate; SODIUM LAURYL SULFATE; Dodecyl sodium sulphate; ethylcellulose, in the form of an aqueous dispersion containing hexadecan-1-ol (CAS RN 36653-82-4) and sodium dodecyl sulphate (CAS RN 151-21-3), containing by weight 27 (\pm 3) % of ethylcellulose; SODIUM MONODECYL SULFATE; SODIUM LAURYL SULFATE, DENTAL GRADE; SODIUM LAURYL SULFATE 30% | | |
| Ingredient name | Synonyms | % | Identifiers |
| Sodium Dodecyl Sulphate | Sulfuric acid monododecyl ester sodium salt (1:1); Sulfuric acid monododecyl ester sodium salt; Sulfuric acid, monododecyl ester, sodium salt; Dodecyl hydrogen sulfate; Sodium dodecyl sulfate; SODIUM LAURYL SULFATE; Dodecyl sodium sulphate; ethylcellulose, in the form of an aqueous dispersion containing hexadecan-1-ol (CAS RN 36653-82-4) and sodium dodecyl sulphate (CAS RN 151-21-3), containing by weight 27 (\pm 3) % of ethylcellulose; SODIUM MONODECYL SULFATE; SODIUM LAURYL SULFATE, DENTAL GRADE; SODIUM LAURYL SULFATE 30% | 100 | CAS: 151-21-3 |

Any concentration shown as a range 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 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 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 adverse health effects persist or are severe. 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 | 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. 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/effects, acute and delayed

Potential acute health effects

| | |
|---------------------|--|
| Eye contact | Causes serious eye irritation. |
| Inhalation | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| 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 |
| 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 medical attention and special treatment needed, if necessary

| | |
|-----------------------------------|--|
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | No specific treatment. |
| Protection of first-aiders | No action shall be taken involving any personal risk or without suitable training. 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. This material is harmful 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 sulfur oxides metal oxide/oxides |
| 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. Avoid breathing dust. 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 containment 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. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. |



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 breathing dust. Avoid release to the environment. 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. |
| 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. |
| 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. 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

Ingredient name

Sodium Dodecyl Sulphate

Exposure limits

None.

Biological exposure indices

No exposure indices known.

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. If operating conditions cause high dust concentrations to be produced, use dust 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

Appearance

| | |
|---|---------------------------------|
| Physical state | Solid. [Flakes. Powder.] |
| Color | White to yellowish. |
| Odor | Faint odor. [Slight] |
| Odor threshold | Not available. |
| pH | 6.5 to 8.5 [Conc. (% w/w): 1%] |
| Melting point/freezing point | 204 to 207°C (399.2 to 404.6°F) |
| Boiling point or initial boiling point and boiling range | Not available. |
| Flash point | Open cup: >150°C (>302°F) |
| Burning time | Not available. |
| Burning rate | Not available. |
| Evaporation rate | Not available. |
| Flammability | Not available. |
| Lower and upper explosive (flammable) limits | Not applicable. |
| Vapor pressure | Not available. |
| Relative vapor density | Not applicable. |
| Relative density | Not available. |
| Solubility(ies) | |

| Media | Result |
|---------------|-----------------------|
| cold water | Partially soluble |
| hot water | Partially soluble |
| methanol | Partially soluble |
| diethyl ether | Not soluble |
| acetone | Very slightly soluble |

Solubility in water >130 g/l [OECD 105]

Partition coefficient: n-octanol/water -2.03

Auto-ignition temperature 310.5°C (590.9°F) [VDI 2263]

Decomposition temperature 380°C (716°F)

SADT Not available.

Viscosity Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

Flow time (ISO 2431) Not available.

Molecular weight 288.42 g/mole

Particle characteristics

Median particle size Not available.

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

| | |
|--------------------------------|---------------------------------|
| Product/ingredient name | Result |
| Sodium Dodecyl Sulphate | Rat - Oral - LD50 1288 mg/kg |

Conclusion/Summary [Product] Not available.



Skin corrosion/irritation

Product/ingredient name
Sodium Dodecyl Sulphate

Result**Human - Skin - Mild irritant**

Duration of treatment/exposure: 48 hours
Amount/concentration applied: 5 %

Human - Skin - Severe irritant

Duration of treatment/exposure: 24 hours
Amount/concentration applied: 10 %

Guinea pig - Skin - Mild irritant

Duration of treatment/exposure: 336 hours
Amount/concentration applied: 25250 ppm

Guinea pig - Skin - Mild irritant

Duration of treatment/exposure: 24 hours
Amount/concentration applied: 25250 ppm

Guinea pig - Skin - Severe irritant

Duration of treatment/exposure: 48 hours
Amount/concentration applied: 25250 ppm

Guinea pig - Skin - Severe irritant

Duration of treatment/exposure: 72 hours
Amount/concentration applied: 25250 ppm

Human - Skin - Mild irritant

Duration of treatment/exposure: 24 hours
Amount/concentration applied: 0.5 %

Human - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours
Amount/concentration applied: 10 ppm

Man - Skin - Mild irritant

Duration of treatment/exposure: 24 hours
Amount/concentration applied: 5 %

Mouse - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours
Amount/concentration applied: 5 %

Rabbit - Skin - Moderate irritant

Duration of treatment/exposure: 24 hours
Amount/concentration applied: 5 %

Rabbit - Skin - Severe irritant

Duration of treatment/exposure: 24 hours
Amount/concentration applied: 2.5 %

Mouse - Skin - Severe irritant

Duration of treatment/exposure: 4 hours
Amount/concentration applied: 1 ppm

Rabbit - Skin - Mild irritant

Duration of treatment/exposure: 1 hours
Amount/concentration applied: 5 %

Conclusion/Summary
[Product]

Not available.

Serious eye damage/eye irritation

Product/ingredient name
Sodium Dodecyl Sulphate

Result**Rabbit - Eyes - Mild irritant**

Duration of treatment/exposure: 1 hours
Amount/concentration applied: 5 ppm

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 1 hours
Amount/concentration applied: 1 %

Rabbit - Eyes - Severe irritant

Duration of treatment/exposure: 1 hours
Amount/concentration applied: 1 %

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

Potential acute health effects

| | |
|---------------------|--|
| Eye contact | Causes serious eye irritation. |
| Inhalation | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| Skin contact | Causes skin irritation. |
| Ingestion | Harmful if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|---------------------|--|
| Eye contact | Adverse symptoms may include the following: pain or irritation watering redness |
| 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. |

Delayed and immediate effects and also 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 | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| 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. |

Numerical measures of toxicity**Acute toxicity estimates**

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Sodium Dodecyl Sulphate | 1288 | N/A | N/A | N/A | N/A |

Section 12. Ecological information**Toxicity**

| Product/ingredient name | Result |
|-------------------------|--|
| Sodium Dodecyl Sulphate | Acute - LC50 - Fresh water Fish - Carp, hawk fish - <i>Cirrhinus mrigala</i> - Larvae Age: 2 days; Size: 4.5 mm; Weight: 51 mg 590 µg/l [96 hours] <u>Effect:</u> Mortality |
| | Acute - EC50 - Marine water Algae - Diatom - <i>Skeletonema costatum</i> 1200 µg/l [96 hours] <u>Effect:</u> Population |
| | Acute - LC50 - Marine water Crustaceans - Brine shrimp - <i>Artemia salina</i> - Adult Age: 25 days; Size: 3.5 to 4.5 mm 900 µg/l [48 hours] <u>Effect:</u> Mortality |
| | Chronic - NOEC - Marine water Algae - Sea Lettuce - <i>Ulva fasciata</i> - Zoa 1.25 mg/l [96 hours] <u>Effect:</u> Reproduction |
| | Chronic - NOEC - Fresh water OECD Crustaceans - Water flea - <i>Pseudosida ramosa</i> - Neonate Age: <24 hours 1 mg/l [21 days] <u>Effect:</u> Reproduction |
| | Chronic - NOEC - Fresh water OECD Fish - Eastern mosquitofish - <i>Gambusia holbrooki</i> Weight: 0.14 g 0.8 mg/l [28 days] <u>Effect:</u> Enzymes |

| | |
|-------------------------------------|----------------|
| Conclusion/Summary [Product] | Not available. |
|-------------------------------------|----------------|

Persistence and degradability

Not available.



| | | | |
|---|---|-------------------|-------------------------|
| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
| Sodium Dodecyl Sulphate | - | >60%; 28 day(s) | Readily |
| Bioaccumulative potential | | | |
| Product/ingredient name | LogP_{ow} | BCF | Potential |
| Sodium Dodecyl Sulphate | -2.03 | - | Low |
| Mobility in soil | | | |
| Soil/Water partition coefficient | 1234.14 Koc | | |
| Other adverse effects | No known significant effects or critical hazards. | | |

Section 13. Disposal considerations

| | |
|-------------------------|--|
| Disposal methods | 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 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 spilled material and runoff and contact with soil, waterways, drains and sewers. |
|-------------------------|--|

Section 14. Transport information

| | DOT Classification | TDG Classification | Mexico Classification |
|-----------------------------------|--|---|--|
| UN number | UN1325 | UN1325 | UN1325 |
| UN proper shipping name | Flammable solid, organic, n.o.s. (Sodium Dodecyl Sulphate) | Flammable solid, organic, n.o.s. (Sodium Dodecyl Sulphate) | Flammable solid, organic, n.o.s. (Sodium Dodecyl Sulphate) |
| Transport hazard class(es) | 4.1 | 4.1 | 4.1 |
| | | | |
| Packing group | III | III | III |
| Environmental hazards | Yes. The environmentally hazardous substance mark is not required. | Yes. The environmentally hazardous substance mark is not required. | Yes. The environmentally hazardous substance mark is not required. |
| Additional information | - | Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.20-2.22 (Class 4), 2.7 (Marine pollutant mark). The marine pollutant mark is not required when transported by road or rail. | - |

| | ADR/RID | IMDG | IATA |
|-----------------------------------|--|---|--|
| UN number | UN1325 | UN1325 | UN1325 |
| UN proper shipping name | Flammable solid, organic, n.o.s. (Sodium Dodecyl Sulphate) | Flammable solid, organic, n.o.s. (Sodium Dodecyl Sulphate) | Flammable solid, organic, n.o.s. (Sodium Dodecyl Sulphate) |
| Transport hazard class(es) | 4.1 | 4.1 | 4.1 |
| | | | |
| Packing group | III | III | III |
| Environmental hazards | Yes. The environmentally hazardous substance mark is not required. | Yes. | Yes. The environmentally hazardous substance mark is not required. |
| Additional information | The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. Tunnel code (E) | The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. | The environmentally hazardous substance mark may appear if required by other transportation regulations. |

| | |
|-------------------------------------|---|
| 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 IMO instruments Not available.

| | |
|-----------------------------|----------------|
| Proper shipping name | Not available. |
|-----------------------------|----------------|

Section 15. Regulatory information

U.S. Federal regulations **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined

TSCA 12(b) - Chemical export notification

Not applicable.

| | |
|---|------------|
| 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

No products were found.

SARA 304 RQ Not applicable.

SARA 311/312

| | |
|-----------------------|--|
| Classification | ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A |
|-----------------------|--|

Composition/information on ingredients

| Name | % | Classification |
|-------------------------|-----|--|
| Sodium Dodecyl Sulphate | 100 | ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A |

State regulations

| | |
|----------------------|------------------------------|
| Massachusetts | This material is not listed. |
| New York | This material is not listed. |
| New Jersey | This material is not listed. |
| Pennsylvania | This material is not listed. |

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

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 | This material is active or exempted. |
| Canada inventory | This material is listed or exempted. |



Section 16. Other information

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



Procedure used to derive the classification

Classification

| | |
|---|-----------------------|
| ACUTE TOXICITY (oral) - Category 4 | On basis of test data |
| SKIN IRRITATION - Category 2 | On basis of test data |
| EYE IRRITATION - Category 2A | On basis of test data |
| AQUATIC HAZARD (ACUTE) - Category 1 | On basis of test data |
| AQUATIC HAZARD (LONG-TERM) - Category 3 | On basis of test data |

Justification

History

Date of printing 1/30/2026

Date of issue/Date of revision 1/30/2026

Date of previous issue 3/3/2023

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 = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 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.

