HORIBA Advanced Techno

SAFETY DATA SHEET

00494US

Section 1. Identification

GHS product identifier : 250 Electrode cleaning solution

Product code : 3200366771

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

Identified uses
Electrode cleaning

Uses advised against
Not applicable.

Supplier's details : HORIBA Advanced Techno Co., Ltd.
2, Miyanohigashi-cho, Kisshoin, Minami-ku, Kyoto, 601-8551 Japan
Tel: +81-75- 321-7184

HORIBA Instruments Inc.
9755 Research Drive, Irvine, CA 92618. USA
Tel 800-446-7422 (949-250-4811)

Emergency telephone number (with hours of operation) : During normal Business Hours: HORIBA Instruments Inc 800-446-7422 (949-250-4811)
During Holidays and after Business Hours: Chemtrec (800) 424-9300

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Wear protective gloves and eye or face protection.

Response : Get medical advice/attention.

Storage : Keep cool and protect from sunlight. 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.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

Ingredient name	Synonyms	%	Identifiers
sodium chloride	Sodium chloride (NaCl); Sodium chloride, brine, purified; product consisting of sucrose and sodium chloride; SALT (NACL); CHLORURE DE SODIUM; SALT (INGREDIENT); COMMON SALT; Sodium chloride (8CA & 9CA); Sodium chloride brine, purified; Sodium Chloride Equivalent to 40.0 ML of 0.200 N; Sodium Chloride pure AR (1KG/BT)	0.87	CAS: 7647-14-5
Dodecan-1-ol, ethoxylated	Poly(oxy-1,2-ethanediyl), .alpha.-dodecyl-.omega.-hydroxy-; Poly (oxy-1,2-ethanediyl), α-dodecyl-ω-hydroxy-; LAURETH-11; LAURETH-13; LAURETH-14; LAURETH-15; LAURETH-16; LAURETH-20; LAURETH-23; LAURETH-25; LAURETH-30	0.25	CAS: 9002-92-0
trometamol	1,3-Propanediol, 2-amino-2-(hydroxymethyl)-; Tris (hydroxymethyl)aminoethane; Tris (hydroxymethyl)aminomethane; Tris(hydroxymethyl)methylamine; TROMETHAMINE; 2-amino-2-hydroxymethylpropanediol; tri (hydroxymethyl)methylamine; 2-amino-2-(hydroxymethyl) propane-1,3-diol; 2-Amino-2-hydroxymethyl-1,3-propanediol; 1,3-Propanediol, 2-amino-2-hydroxymethyl-; 2-Amino-2-hydroxymethyl-1, 3-pro-panediol	0.12	CAS: 77-86-1
subtilisin	Bacillus subtilis, alkaline proteinase; Bacillus subtilis, enzyme fermentation products; Proteinase, Bacillus subtilis, alkaline; Subtilisins (Proteolytic enzymes); Bacillus subtilis carlsberg; Subtilisins; Subtilisins Carlsburg; enzymes; Enzymes, subtilisin; Subtilisin A; Bacillus subtilis enzyme fermentation product	0.096	CAS: 9014-01-1
sodium azide	Sodium azide (Na(N3)); Sodium azide (as HN3); Sodium azide (as NaN3); Sodium salt of hydrazoic acid; Azium; Azide; salicylate 1-monooxygenase (CAS RN 9059-28-3) in aqueous solution with — an enzyme concentration of 6,0 U/ml or	0.09	CAS: 26628-22-8

Section 3. Composition/information on ingredients

	more, but not more than 7,4 U/ml, — a concentration by weight of sodium azide (CAS RN 26628-22-8) of not more than 0,09 % and — a pH value of 6,5 or more, but not more than 8,5; Smite; Sodium azide and preparations containing it; Sodium Azide, as sodium azide or hydrazoic acid vapor		
Hydrochloric acid		0.065	CAS: 7647-01-0
Calcium chloride (CaCl2), dihydrate	Calcium chloride, dihydrate; Calcium chloride dihydrate; E 509; CALCIUM CHLORIDE; CALCIUM DICHLORIDE; CALCIUM CHLORIDE SOLUTION 2.75%	0.03	CAS: 10035-04-8

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. 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

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.

Section 4. First aid measures

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 : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : No specific data.

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. 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).
This preparation contains a small amount of sodium azide. Sodium azide is harmful to aquatic organisms and can react with copper, lead, brass or solder in plumbing system and form potentially explosive metal azides. Prevent preparation from entering the drain and water intakes in the environment. If preparation enters the drain, flush with large amounts of water to prevent azide build up. Follow proper disposal procedures.

Methods and materials 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.

Section 7. Handling and storage

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.

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Incompatible with acids, with some metals. Forms explosion-sensitive compounds.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
sodium chloride	None.
Dodecan-1-ol, ethoxylated	None.
trometamol	None.
subtilisin	**NIOSH REL (United States, 10/2020) [SUBTILISINS]** STEL 60 minutes: 0.00006 mg/m³. **CAL OSHA PEL (United States, 1/2025)** STEL 15 minutes: 0.00006 mg/m³. **OSHA PEL 1989 (United States, 3/1989)** STEL 60 minutes: 0.00006 mg/m³. **ACGIH TLV (United States, 1/2025) [Subtilisins]** C: 0.00006 mg/m³ (measured as 100% pure crystalline enzyme).
sodium azide	**NIOSH REL (United States, 10/2020)** Absorbed through skin. CEIL: 0.1 ppm (as HN3). CEIL: 0.3 mg/m³ (NAN3). **CAL OSHA PEL (United States, 1/2025)** Absorbed through skin. C: 0.3 mg/m³. C: 0.1 ppm. **OSHA PEL 1989 (United States, 3/1989) [Sodium azide (as HN3)]** Absorbed through skin. CEIL: 0.1 ppm (as HN3). **OSHA PEL 1989 (United States, 3/1989) [Sodium azide (as NaN3)]** Absorbed through skin. CEIL: 0.3 mg/m³ (as NaN3). **ACGIH TLV (United States, 1/2025)** A4. C: 0.29 mg/m³ (as Sodium azide). C: 0.11 ppm (as Hydrazoic acid vapor).
Hydrochloric acid	**NIOSH REL (United States, 10/2020)** CEIL: 5 ppm. CEIL: 7 mg/m³. **CAL OSHA PEL (United States, 1/2025)**

Section 8. Exposure controls/personal protection

	C: 2 ppm. TWA 8 hours: 0.45 mg/m³. TWA 8 hours: 0.3 ppm. **OSHA PEL (United States, 5/2018)** CEIL: 5 ppm. CEIL: 7 mg/m³. **OSHA PEL 1989 (United States, 3/1989)** CEIL: 5 ppm. CEIL: 7 mg/m³. **ACGIH TLV (United States, 1/2025)** A4. C: 2 ppm.
Calcium chloride (CaCl2), dihydrate	None.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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: 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.

Section 9. Physical and chemical properties

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

Appearance

Physical state : Liquid.

Color : Colorless.

Odor : Not available.

Section 9. Physical and chemical properties

Odor threshold : Not available.

pH : pH7-9

Melting point/freezing point : Not available.

Boiling point or initial boiling point and boiling range : Not available.

Flash point : Not available.

Evaporation rate : Not available.

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure : Not applicable.

Relative vapor density : Not available.

Relative density : Not available.

Solubility in water : Not available.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available.

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

Particle characteristics

Median particle size : Not applicable.

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 : This reagent contains sodium azide as preservative. Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.

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 chloride	**Rat - Oral - LD50** 3000 mg/kg
Dodecan-1-ol, ethoxylated	**Rat - Oral - LD50** 1 g/kg Toxic effects: Gastrointestinal - Ulceration or bleeding from stomach Gastrointestinal - Other changes Liver - Fatty liver degeneration

Section 11. Toxicological information

subtilisin	**Rat - Oral - LD50** 3700 mg/kg
sodium azide	**Rat - Oral - LD50** 27 mg/kg **Rat - Dermal - LD50** 50 mg/kg **Rabbit - Dermal - LD50** 20 mg/kg
Hydrochloric acid	**Rat - Inhalation - LC50 Gas.** 3124 ppm [1 hours] Toxic effects: Olfaction - Other changes Eye - Iritis

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
sodium chloride	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
Dodecan-1-ol, ethoxylated	**Human - Skin - Moderate irritant** Duration of treatment/exposure: 72 hours Amount/concentration applied: 6 mg I **Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 75 mg **Rabbit - Skin - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg
trometamol	**Rabbit - Skin - Moderate irritant** Amount/concentration applied: 25 % **Rabbit - Skin - Severe irritant** Amount/concentration applied: 500 mg **Woman - Skin - Moderate irritant** Amount/concentration applied: 1 %
Hydrochloric acid	**Human - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 4 %

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
sodium chloride	**Rabbit - Eyes - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 mg **Rabbit - Eyes - Moderate irritant** Amount/concentration applied: 10 mg
Dodecan-1-ol, ethoxylated	**Rabbit - Eyes - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 750 ug
subtilisin	**Rabbit - Eyes - Moderate irritant** Amount/concentration applied: 3 mg
Hydrochloric acid	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 0.5 minutes

Section 11. Toxicological information

Amount/concentration applied: 5 mg

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.

Classification

Product/ingredient name	OSHA	IARC	NTP
Hydrochloric acid	-	3	-

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

Section 11. Toxicological information

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

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 : 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.

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 chloride	3000	N/A	N/A	N/A	N/A
Dodecan-1-ol, ethoxylated	1000	N/A	N/A	N/A	N/A
subtilisin	3700	N/A	N/A	N/A	N/A
sodium azide	27	20	N/A	N/A	N/A
Hydrochloric acid	N/A	N/A	1562	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
sodium chloride	**Acute - LC50 - Fresh water** Fish - Striped bass - *Morone saxatilis* - Larvae 1000 mg/l [96 hours] Effect: Mortality **Chronic - NOEC - Fresh water** Daphnia - Water flea - *Daphnia pulex* 0.314 g/l [21 days] Effect: Reproduction **Chronic - NOEC - Fresh water** Fish - Eastern mosquitofish - *Gambusia holbrooki* - Adult 100 mg/l [8 weeks] Effect: Reproduction **Chronic - NOEC - Fresh water** OECD Aquatic plants - Duckweed - *Lemna minor* 6 g/l [96 hours] Effect: Growth **Acute - EC50 - Fresh water** OECD Daphnia - Water flea - *Daphnia magna* - Neonate Age: 2 to 24 hours 4.96 µg/l [48 hours] Effect: Intoxication **Acute - EC50 - Fresh water** Algae - Green algae - *Selenastrum capricornutum* 28.85 mg/dm³ [72 hours] Effect: Population
Dodecan-1-ol, ethoxylated	**Acute - LC50 - Fresh water** Fish - Atlantic salmon - *Salmo salar* - Parr Size: 8.2 to 11.7 cm; Weight: 5.1 to 14.1 g 1500 µg/l [96 hours] Effect: Mortality **Acute - LC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* 6460 µg/l [48 hours] Effect: Mortality
sodium azide	**Chronic - NOEC - Marine water** Algae - Giant kelp - *Macrocystis pyrifera* 5600 µg/l [96 hours] Effect: Reproduction **Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia pulex* - Larvae Age: 1 4.2 mg/l [48 hours] Effect: Intoxication **Acute - LC50 - Fresh water** Fish - Bluegill - *Lepomis macrochirus* Weight: 0.6 g 0.68 mg/l [96 hours] Effect: Mortality **Acute - EC50 - Fresh water** Algae - Green algae - *Raphidocelis subcapitata* 0.348 mg/l [96 hours] Effect: Population
Hydrochloric acid	**Acute - LC50 - Marine water** Crustaceans - Green crab - *Carcinus maenas* - Adult 240 mg/l [48 hours]

Section 12. Ecological information

Effect: Mortality
Acute - LC50 - Fresh water
Fish - Western mosquitofish - *Gambusia affinis* - Adult
282 ppm [96 hours]
Effect: Mortality

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
subtilisin	-3.1	-	Low

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or 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. 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	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

Section 14. Transport information

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.

Section 15. Regulatory information

U.S. Federal regulations

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

Clean Water Act (CWA) 311: Hydrochloric acid

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : 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

Name	%	EHS	SARA 302 TPQ (lbs)	SARA 302 TPQ (gallons)	SARA 304 RQ (lbs)	SARA 304 RQ (gallons)
sodium azide	≤0.1	Yes.	500	-	1000	-
Hydrochloric acid	≤0.1	Yes.	500	-	5000	-

SARA 304 RQ : 1111111.1 lbs / 504444.4 kg

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Classification
sodium chloride	≥0.1 - ≤1	EYE IRRITATION - Category 2A
Dodecan-1-ol, ethoxylated	≥0.1 - ≤1	ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
trometamol	≥0.1 - ≤1	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
subtilisin	≤0.1	COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A
sodium azide	≤0.1	ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 1
Hydrochloric acid	≤0.1	ACUTE TOXICITY (inhalation) - Category 3 EYE IRRITATION - Category 2B

State regulations

Massachusetts : None of the components are listed.

Section 15. Regulatory information

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are 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)

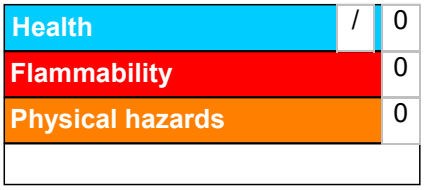
Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Other information

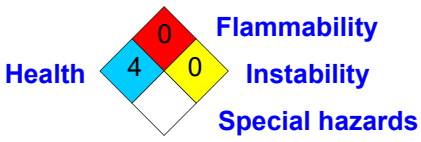
Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

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



Procedure used to derive the classification

Not classified.

History

Date of issue/Date of revision : 12/1/2025

Date of previous issue : No previous validation

Section 16. Other information

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
DOT = Department of Transportation
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
IMO = International Maritime Organization
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
SGG = Segregation Group
TDG = Transportation of Dangerous Goods
UN = United Nations

References :

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.