

# SAFETY DATA SHEET

Date of issue/Date of revision

: 10 November 2025

Version

: 1.1



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

### 1.1 Product identifier

Product name : SUPI SAUNAPESU

Product code : SDS-0017099

#### Other means of identification

SKU-00170990005; SKU-00170990010

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

Product use : Consumer applications.

Use of the substance/  
mixture : Cleaner.; Detergent

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

Tikkurila Oyj  
P.O. Box 53  
FI-01301 VANTAA  
FINLAND  
Tel. +358 20 191 2000

e-mail address of person  
responsible for this SDS : Product.Stewardship.EMEA@ppg.com

### 1.4 Emergency telephone number

#### Supplier

Tikkurila Oyj  
+358 20 191 2000 (GMT +2) Mon-Fri 8-16

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Corr. 1, H314

Eye Dam. 1, H318

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 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

Code : SDS-0017099

Date of issue/Date of revision

: 10 November 2025

SUPI SAUNAPESU

## SECTION 2: Hazards identification

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: Causes severe skin burns and eye damage.  
Harmful to aquatic life with long lasting effects.

General

: Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention

: Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment.

Response

: IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage

: Store locked up.

Disposal

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

P102, P101, P280, P273, P304 + P310, P301 + P310, P330, P331, P303 + P361 + P353, P310, P363, P305 + P351 + P338, P310, P405, P501

Hazardous ingredients

: oxalic acid and quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Supplemental label elements

: Not applicable.

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

: Not applicable.

### Special packaging requirements

Containers to be fitted with child-resistant fastenings

: Yes, applicable.

Tactile warning of danger

: Yes, applicable.

### EU Detergents Regulation

Contains

: less than 5%: non-ionic surfactants, cationic surfactants, disinfectants.

### 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.

Code : SDS-0017099 Date of issue/Date of revision : 10 November 2025  
 SUPI SAUNAPESU

## SECTION 2: Hazards identification

**Product meets the criteria for endocrine disrupting properties according to Regulation (EC) No. 1907/2006.** : Based on available data, the classification criteria are not met.

**Other hazards which do not result in classification** : Causes digestive tract burns.

## SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	% by weight	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Phosphoric acid	REACH #: 01-2119485924-24 EC: 231-633-2 CAS: 7664-38-2 Index: 015-011-00-6	≥1.0 - ≤5.0	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318	Met. Corr. 1, H290: C ≥ 20% ATE [Oral] = 1250 mg/kg Skin Corr. 1B, H314: C ≥ 25% Skin Irrit. 2, H315: 10% ≤ C < 25% Eye Dam. 1, H318: C ≥ 25% Eye Irrit. 2, H319: 10% ≤ C < 25%	[1] [2]
Ethanedioic acid, hydrate (1:2)	EC: 205-634-3 CAS: 6153-56-6 Index: 607-006-00-8	≥1.0 - ≤5.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318	ATE [Oral] = 525 mg/kg ATE [Dermal] = 1100 mg/kg	[1] [2]
Alcohols, C12-14, ethoxylated	EC: 500-213-3 CAS: 68439-50-9	≥1.0 - ≤3.5	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Acute 1, H400	ATE [Oral] = 500 mg/kg M [Acute] = 1	[1]
Alcohols, C10-16, ethoxylated propoxylated	CAS: 69227-22-1	≥1.0 - ≤5.0	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	REACH #: 01-2119970550-39 EC: 270-325-2 CAS: 68424-85-1	≥0.10 - ≤2.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 <b>See Section 16 for the full text of the H statements declared above.</b>	ATE [Oral] = 397 mg/kg M [Acute] = 10 M [Chronic] = 1	[1]

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 health or environmental hazard

[2] Substance with a workplace exposure limit

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

Code : SDS-0017099

Date of issue/Date of revision

: 10 November 2025

SUPI SAUNAPESU

## SECTION 3: Composition/information on ingredients

SUB codes represent substances without registered CAS Numbers.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes severe burns.
- Ingestion** : Corrosive to the digestive tract. Causes burns.

#### Over-exposure signs/symptoms

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

### 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.

Code : SDS-0017099

Date of issue/Date of revision

: 10 November 2025

SUPI SAUNAPESU

## 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. 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 combustion products** : Decomposition products may include the following materials:  
carbon oxides  
phosphorus oxides

### 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 European standard 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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### 6.3 Methods and material for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Code : SDS-0017099

Date of issue/Date of revision

: 10 November 2025

SUPI SAUNAPESU

## SECTION 6: Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
- 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). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.

- 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 between the following temperatures: 5 to 25°C (41 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

## SECTION 8: Exposure controls/personal protection

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).

### 8.1 Control parameters

#### Occupational exposure limits

Code : SDS-0017099 Date of issue/Date of revision : 10 November 2025  
 SUPI SAUNAPESU

## SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values
Phosphoric acid	<b>EU OEL (Europe, 1/2022)</b> TWA 8 hours: 1 mg/m <sup>3</sup> . STEL 15 minutes: 2 mg/m <sup>3</sup> .
Ethanedioic acid, hydrate (1:2)	<b>ACGIH TLV (United States)</b> TWA: 1 mg/m <sup>3</sup> . STEL: 2 mg/m <sup>3</sup> .

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

Product/ingredient name	Exposure	Value
Phosphoric acid	DNEL - Workers - Short term - Inhalation	<i>Local</i> 2 mg/m <sup>3</sup>
	DNEL - General population - Long term - Oral	<i>Systemic</i> 0.1 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	<i>Local</i> 0.36 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Inhalation	<i>Local</i> 1 mg/m <sup>3</sup>
oxalic acid	DNEL - General population - Long term - Inhalation	<i>Systemic</i> 4.57 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Inhalation	<i>Systemic</i> 10.7 mg/m <sup>3</sup>
	DNEL - General population - Long term - Oral	<i>Systemic</i> 0.315 mg/kg bw/day
	DNEL - General population - Long term - Dermal	<i>Systemic</i> 0.315 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	<i>Systemic</i> 0.882 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	<i>Systemic</i> 3.11 mg/m <sup>3</sup>
Alcohols, C12-14, ethoxylated	DNEL - General population - Long term - Inhalation	<i>Systemic</i> 0.466 mg/m <sup>3</sup>
	DNEL - General population - Long term - Oral	<i>Systemic</i> 1.33 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	<i>Systemic</i> 3.48 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Inhalation	<i>Systemic</i> 19.6 mg/m <sup>3</sup>
	DNEL - General population - Long term - Dermal	<i>Systemic</i> 66.7 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	<i>Systemic</i> 187 mg/kg bw/day

### PNECs

Not available.

### 8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Individual protection measures

Code : SDS-0017099

Date of issue/Date of revision

: 10 November 2025

SUPI SAUNAPESU

## SECTION 8: Exposure controls/personal protection

- 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** : Chemical splash goggles and face shield. Use eye protection according to EN 166.
- 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. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
- Gloves** : nitrile neoprene
- 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** : Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Mask type: full-face mask half-face mask Filter type: organic vapour filter (Type A) particulate filter P3 Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
- 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

#### Appearance

- Physical state** : Liquid.
- Colour** : Clear.
- Odour** : Fragrance-like.
- Melting point/freezing point** : Not determined.
- Boiling point or initial boiling point and boiling range** : >37.78°C

Code : SDS-0017099 Date of issue/Date of revision : 10 November 2025  
 SUPI SAUNAPESU

## SECTION 9: Physical and chemical properties

- Flammability** : Not determined. There are no data available on the mixture itself.
- Lower and upper explosion limit** : Not available.
- Flash point** : Closed cup: Not applicable.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Stable under recommended storage and handling conditions (see Section 7).
- pH** : 1.5
- Viscosity** : Dynamic (room temperature): Not available.  
 Kinematic (room temperature): Not available.  
 Kinematic (40°C): <14 mm<sup>2</sup>/s

**Solubility** :

Media	Result
cold water	Partially soluble

**Partition coefficient n-octanol/ water (log Pow)** : Not applicable.

**Vapour pressure** :

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
water	17.5	2.3				

**Relative density** : 1

**Particle characteristics**

**Median particle size** : Not applicable.

### 9.2 Other information

#### 9.2.1 Information with regard to physical hazard classes

**Explosive properties** : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.

**Oxidising properties** : Product does not present an oxidizing hazard.

No additional information.

## 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** : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

**10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

**10.6 Hazardous decomposition products** : Depending on conditions, decomposition products may include the following materials: carbon oxides phosphorus oxides

Code : SDS-0017099 Date of issue/Date of revision : 10 November 2025  
 SUPI SAUNAPESU

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly.

Causes severe skin burns and eye damage.

#### Acute toxicity

Product/ingredient name	Result	Dose / Exposure
Phosphoric acid	Rabbit - Dermal - LD50 <i>Toxic effects:</i> Behavioral - Somnolence (general depressed activity) Behavioral - Excitement	2.74 g/kg
	Rat - Oral - LD50 <i>Toxic effects:</i> Lung, Thorax, or Respiration - Acute pulmonary edema Liver - Changes in liver weight	1.25 g/kg
oxalic acid	Rat - Female - Oral - LD50	525 mg/kg
quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Rat - Oral - LD50	397 mg/kg

#### Acute toxicity estimates

Route	ATE value
Oral	6542.14 mg/kg
Dermal	48245.61 mg/kg

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### Irritation/Corrosion

#### Conclusion/Summary

**Skin** : Causes severe burns.

**Eyes** : Causes serious eye damage.

**Respiratory** : Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitization

#### Conclusion/Summary

**Skin** : Based on available data, the classification criteria are not met.

**Respiratory** : Based on available data, the classification criteria are not met.

#### Mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

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

Based on available data, the classification criteria are not met.

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

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

**Information on likely routes of exposure** : Not available.

Code : SDS-0017099

Date of issue/Date of revision

: 10 November 2025

SUPI SAUNAPESU

## SECTION 11: Toxicological information

### Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : Corrosive to the digestive tract. Causes burns.  
**Skin contact** : Causes severe burns.  
**Eye contact** : Causes serious eye damage.

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

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

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

- Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

### Potential chronic health effects

- General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.  
**Other information** : Causes digestive tract burns.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Code : SDS-0017099

Date of issue/Date of revision

: 10 November 2025

SUPI SAUNAPESU

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Dose / Exposure
quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	EC50	Daphnia	0.016 mg/l [48 hours]
	EC10	Algae	0.0025 mg/m <sup>3</sup> [72 hours]

**Conclusion/Summary** : Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

Based on available data, the classification criteria are not met.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	-	-	Readily

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

#### Soil/water partition coefficient

Product/ingredient name	logKoc	Koc
oxalic acid	0.92	8.39649

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

Code : SDS-0017099 Date of issue/Date of revision : 10 November 2025  
 SUPI SAUNAPESU

## 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** :

#### European waste catalogue (EWC)

Waste code	Waste designation
20 01 29*	detergents containing hazardous substances

#### 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.

Type of packaging	European waste catalogue (EWC)
Container	15 01 06 mixed packaging

**Special precautions** : 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

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN number or ID number</b>	UN3264	UN3264	UN3264	UN3264
<b>14.2 UN proper shipping name</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  (Phosphoric acid, Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  (Phosphoric acid, Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  (Phosphoric acid, Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)	Corrosive liquid, acidic, inorganic, n.o.s.  (Phosphoric acid, Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
<b>14.3 Transport hazard class(es)</b>	8	8	8	8
<b>14.4 Packing group</b>	III	III	III	III
<b>14.5 Environmental hazards</b>	No.	Yes.	No.	No.

Code : SDS-0017099 Date of issue/Date of revision : 10 November 2025

SUPI SAUNAPESU

## SECTION 14: Transport information

Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.
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### Additional information

ADR/RID : None identified.

Tunnel code : (E)

ADN : The product is only regulated as an environmentally hazardous substance when transported in tank vessels.

IMDG : None identified.

IATA : None identified.

**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 Maritime transport in bulk according to IMO instruments** : Not applicable.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

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

Product/ingredient name	Entry Number ( REACH )
SUPI SAUNAPESU	3

Labelling : Not applicable.

### Other EU regulations

**Explosive precursors** : Not applicable.

#### Ozone depleting substances (EU 2024/590)

Not listed.

#### Persistent Organic Pollutants

Not listed.

#### Detergent Regulation (Regulation (EC) No. 648/2004)

Annex VIID - Publication of list of ingredients

AQUA, PHOSPHORIC ACID, Ethanedioic acid, hydrate (1:2), Alcohols, C12-14, ethoxylated, Alcohols, C10-16, ethoxylated propoxylated, BENZALKONIUM CHLORIDE, ALCOHOL, , ISOPROPYL ALCOHOL, AMINOTRIMETHYLENE PHOSPHONIC ACID, MEK, disodium 4-[[4-(acetylmethylamino)-2-sulphonatophenyl]amino]-1-amino-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate.

### Seveso Directive

Code : SDS-0017099

Date of issue/Date of revision

: 10 November 2025

SUPI SAUNAPESU

## SECTION 15: Regulatory information

This product is not controlled under the Seveso Directive.

**15.2 Chemical safety assessment** : No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

### Full text of abbreviated H statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Full text of classifications [CLP/GHS]

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Met. Corr. 1	CORROSIVE TO METALS - Category 1
Skin Corr. 1	SKIN CORROSION/IRRITATION - Category 1
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2

### History

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**Date of previous issue** : 15 September 2025

**Prepared by** : EHS

**Version** : 1.1

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SUPI SAUNAPESU

## SECTION 16: Other information

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*