

SAFETY DATA SHEET

Dishwash Detergent Premium



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	09.11.2016
Revision date	07.10.2022

1.1. Product identifier

Product name	Dishwash Detergent Premium
Article no.	TP4113, TP41135.
Information on the packaging	Type of packaging: Jerry can Size of packaging: 5 -10 L Material of packaging: Plastic: HDPE Child-resistant packaging: No Tactile warnings: Yes
Extended SDS with ES incorporated	No

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

Use of the substance / mixture	Dishwashing detergent for comercial dishwashers.
Main intended use	PC-DET-3.2 Automatic dishwashing detergents - professional or industrial use
Relevant identified uses	SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC35 Washing and cleaning products (including solvent based products)
Industrial use	Yes
Professional use	Yes
Consumer use	No

1.3. Details of the supplier of the safety data sheet

Distributor

Company name	Tingstad Papper AB
Postal address	Marieholmmsgatan 1-3

Postcode	415 02
City	Göteborg
Country	Sweden
Contact person	Johanna Ossiansson

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Request for ambulance, poison centre or rescue service
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318
Additional information on classification	For complete wording of H-phrases, see section 16.

2.2. Label elements

Hazard pictograms (CLP)



Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage. H290 May be corrosive to metals.
Precautionary statements	P280 Wear protective gloves / protective clothing / eye protection / face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor / physician. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P363 Wash contaminated clothing before reuse. P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. P405 Store locked up. P234 Keep only in original packaging. P390 Absorb spillage to prevent material damage.
Other label information (CLP)	Text to be labeled: Contains sodium hydroxide.

2.3. Other hazards

Other hazards	None known.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Composition type	Mixture			
Formulation type	SL Soluble concentrate			
Substance	Identification	Classification	Contents	Notes
Sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5	Met. Corr. 1; H314 Skin Corr. 1A; H290	10 - 25 %	
Alanine, N, N-bis(carboxymethyl) -, trisodium salt	CAS No.: Missing	Met. Corr. 1; H290	10 - 25 %	
Substance comments	For complete wording of H-phrases, see section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Rinse nose and mouth with water. Contact physician if the inconvenience persists.
Skin contact	Gently wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Rinse mouth with water and drink a couple glass of water after that. Do not force a vomit. Contact poison information.

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

General symptoms and effects	Causes serious corrosive damage to skin and eyes.
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4.3. Indication of any immediate medical attention and special treatment needed

Separate first aid equipment	Fixed installed eyewash and safety shower with temperate water should be available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, carbon dioxide, foam or water.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The product is not combustible. During extinguishing with water or foam there is a risk of corrosive residues. If the product comes in contact with aluminum or alloy, hydrogen gas can be formed which can form explosive mixtures with air.
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5.3. Advice for firefighters

Fire fighting procedures	Use water spray at the fire extinguishing to prevent corrosive splashes.
Other information	Remove not ignited bottles from the fire, if possible, or cool them with water

spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Environmental precautionary measures Inform the emergency services event of major spills.
Neutralize with acid.

6.3. Methods and material for containment and cleaning up

Clean up Absorb spillage to prevent material damage.

6.4. Reference to other sections

Other instructions See also section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling The cap must be screwed when the can is put down on the floor to prevent splash.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep out of reach of children. May only be stored in its original packaging.

7.3. Specific end use(s)

Specific use(s) Dishwashing detergent for professional use.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Safety signs



Eye / face protection

Suitable eye protection Use tight-fitting protective goggles / face shield if splashing of the product. This also for diluted product.

Hand protection

Suitable materials	Butyl rubber, natural rubber, neoprene rubber, nitrile rubber, polyethylene (PE), polyvinyl chloride, (PVC) or viton.
Breakthrough time	Value: ≥ 8 hour(s)
Thickness of glove material	Value: $\geq 0,3$ mm

Skin protection

Skin protection remark	Contaminated clothing should be laundered before being returned to service.
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Respiratory protection

Respiratory protection necessary at	steam or aerosol-forming handling.
Recommended type of equipment	Particle filter P3 on full or half mask.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Physical state	Liquid in room temperature.
State under standard conditions	Liquid
Colour	Light yellow
Colour intensity	Translucent.
Odour	Chemical.
Odour limit	Comments: Not relevant
pH	Status: In delivery state Value: ~ 14
Melting point / melting range	Comments: Not relevant.
Freezing point	Comments: Not tested.
Boiling point / boiling range	Value: ~ 112 °C
Flash point	Comments: The product is not flammable.
Evaporation rate	Comments: Not tested.
Flammability	The product is not flammable.
Lower explosion limit with unit of measurement	Comments: The product is not explosive.
Upper explosion limit with units of measurement	Comments: The product is not explosive.
Explosion limit	Comments: The product is not explosive.
Vapour pressure	Comments: Not tested.
Vapour density	Comments: Not relevant.
Particle characteristics	Reason for waiving data: Not applicable
Relative density	Comments: Not relevant.

Density	Value: ~ 1,3 g/cm ³ Temperature: 25 °C
Bulk density	Comments: Not relevant.
Solubility	Medium: Water Name: Readily soluble
Partition coefficient: n-octanol/ water	Comments: Not tested.
Auto-ignition temperature	Comments: The product is not flammable.
Decomposition temperature	Comments: The product will not decompose.
Viscosity	Value: 5 mPa.s Temperature: 25 °C Type: Dynamic
Explosive properties	The product is not explosive.
Oxidising properties	The product does not oxidize.

9.2. Other information

9.2.2. Other safety characteristics

Comments	The information given in section 9 refers to the mixture.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Reacts violently with acids.
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10.2. Chemical stability

Stability	The product is stable during normal storing conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See section 10.5.
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10.4. Conditions to avoid

Conditions to avoid	Not known.
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10.5. Incompatible materials

Materials to avoid	The product reacts exothermically with light metals such as aluminum under development of hydrogen gas. Risk of explosion if the correct mixture of hydrogen/air.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Not known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

Inhalation	Corrosive to the respiratory tract.
Skin contact	May cause serious chemical burns of the skin.
Eye contact	Causes serious eye damage.
Ingestion	May cause burns in mucous membranes in throat, esophagus and stomach. Vomiting aggravate the injury.
Sensitisation	Contains no allergenic substances.
Carcinogenicity	Comments: Not expected to be carcinogenic.
Reproductive toxicity	Comments: Not expected to be harmful to reproduction.

11.2 Other information

Other information	No toxicological tests are performed on the mixture.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Elevated pH gives harmful effect on aquatic organisms.
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12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product contains only readily degradable surfactants.
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	The product is not suspected to bioaccumulate.
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12.4. Mobility in soil

Mobility	Moderate.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Constituent substances are not considered to be PBT or vPvB.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	The product contains no carcinogenic, mutagenic or reproductive harming substances.
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12.7. Other adverse effects

Additional ecological information	No ecological test have been performed on the mixture.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Neutralize with acid. Follow the authorities and the applicable law recommendations regarding disposal of unused product.
EWC waste code	EWC waste code: 200129 detergents containing dangerous substances Classified as hazardous waste: Yes
EWL packing	EWC waste code: 150102 plasticpackaging Classified as hazardous waste: No

SECTION 14: Transport information

Dangerous goods	Yes
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14.1. UN number

ADR/RID/ADN	1824
IMDG	1824
ICAO/IATA	1824

14.2. UN proper shipping name

ADR/RID/ADN	SODIUM HYDROXIDE SOLUTION
IMDG	SODIUM HYDROXIDE SOLUTION
ICAO/IATA	SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN	8
IMDG	8
ICAO/IATA	8

14.4. Packing group

ADR/RID/ADN	II
IMDG	II
ICAO/IATA	II

14.5. Environmental hazards

ADR/RID/ADN	Not environmentally hazardous.
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14.6. Special precautions for user

Special safety precautions for user	Smoking is prohibited when handling near or inside vehicles and containers. The smoking ban also applies to the use of electronic cigarettes and similar products according to ADR-S 7.5.9.
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14.7. Maritime transport in bulk according to IMO instruments

ADR/RID Other information

Hazard No.	80
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IMDG Other information

EmS	F-A, S-B
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SECTION 15: Regulatory information

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

Assessed restrictions	Product may not be sold to the public.
Biocides	No
Nanomaterial	No
References (laws/regulations)	COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending European Parliament and Council Regulation (EC) No 1907/2006 on registration, assessment and approval of and restrictions on chemicals (REACH). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL 16. December 2008 on the classification, labeling and packaging of substances and mixtures, amendments and cancellations of Directives 67/548 / EEC and 1999/45 / EC and the like amending Regulation (EC) No 1907/2006.
Comments	No special rules apply beyond what has already been mentioned.
Declaration No.	475267-1.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No
Exposure scenarios for mixture	No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.
Revision justification	Other.
Version	2
Positive Ecolabelling	Logo: Svanemerket Licence No.: 3080 0019