

SAFETY DATA SHEET



HANDDISK EXTRA MILJÖ

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 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	11.01.2018
Revision date	07.03.2024

1.1. Product identifier

Product name	HANDDISK EXTRA MILJÖ
UFI	CR82-D0NS-6006-PRQ5
Article no.	TP431, TP435
Extended SDS with ES incorporated	Yes

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

Use of the substance / mixture	Dishwash product. Manual process (AISE-P201)
Main intended use	PC-DET-3.3 Hand dishwashing detergents
Relevant identified uses	SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC35 Washing and cleaning products (including solvent based products) PROC8a Transfer of substance or mixture (charging and discharging) at nondedicated facilities PROC10 Roller application or brushing ERC8A Wide dispersive indoor use of processing aids in open systems
Industrial use	No
Professional use	Yes
Consumer use	No

1.3. Details of the supplier of the safety data sheet

Company name	Tingstad Papper AB
Office address	Marieholmmsgatan 1-3
Postal address	Box 13013
Postcode	S-415 02

City	Göteborg
Country	Sweden
Telephone number	031-707 20 00
Fax	031-25 18 21
Email	kontakt@tingstad.se
Website	www.tingstad.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: Tel: 112 Description: SOS Alarm
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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]	Skin Irrit. 2; H315; Calculation method Eye Dam. 1; H318; Calculation method
CLP classification, comments	• The full text for all hazard statements is displayed in section 16.

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Signal word	Danger
Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	P102 Keep out of reach of children. P302+P352 IF ON SKIN: Wash with plenty of soap and water. 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 / doctor / .
Tactile warnings	No
Child-protection	No

2.3. Other hazards

PBT / vPvB	This product does not contain any PBT or vPvB substances.
Health effect	The product does not contain endocrine substances in accordance with EU 2017/2100, Annex B.
Environmental effects	The product does not contain endocrine substances in accordance with EU 2017/2100, Annex B.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Composition type	Mixture			
Formulation type	SL Soluble concentrate			
Substance	Identification	Classification	Contents	Notes
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No.: 68891-38-3 EC No.: 500-234-8 REACH Reg. No.: 01-2119488639-16-0000	Skin Irrit. 2; H315 Eye Dam. 1; H318; SCL H319: 5 - 10 %, H318: >10 % Aquatic Chronic 3; H412 Route of exposure: Oral Value : > 2000 mg/kg bw	15 ≤ 25 %	1 Wetting agent
2-propylheptanol ethoxylated, propoxylated	CAS No.: 166736-08-9 EC No.: 605-450-7 REACH Reg. No.: Inte tillämpligt (polymer)	Acute Tox. 4; H302 Eye Dam. 1; H318; SCL H319: <10 %, H318: >10 % Route of exposure: Oral Value : 300 ≤ 2000 mg/kg	1 ≤ 5 %	1 Wetting agent

¹Substance classified with a health or environmental hazard

Description of the mixture	Content according to (EC) nr 648/2004 on detergents. An-ionic surfactants 15-30 % Non-ionic surfactants <5%, Amphoteric surfactants <5 %, Perfume <1 %,
Substance comments	The full text for all hazard statements is displayed in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	SOS Alarm: Telephone: 112 (In case of emergency poisoning, 24 h service).
Inhalation	Fresh air.
Skin contact	Wash skin with soap and water.
Eye contact	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/physician.
Ingestion	Rinse mouth with water. Drink a few glasses of water or milk. Do NOT induce vomiting. Get medical attention if any discomfort continues. Contact physician if larger quantity has been consumed.

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

Acute symptoms and effects	IF IN EYES: Splashes in eyes may cause strong pain.
Delayed symptoms and effects	IF IN EYES: Splashes in eyes may cause strong pain. Causes serious eye damage: IF ON SKIN: Prolonged contact may cause redness, irritation and cracking.

4.3. Indication of any immediate medical attention and special treatment needed

Other information	Notes to the physician: Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Improper extinguishing media	Avoid water in straight hose stream; will scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable.
Hazardous combustion products	In case of fire and high temperatures, the water in the product may evaporate. This can result in the release of hazardous gases. Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrous gases (NO _x).

5.3. Advice for firefighters

Other information	Not classified as flammable under current regulations.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	For personal protection, see section 8.
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6.2. Environmental precautions

Environmental precautionary measures	Prevent discharge of larger quantity to drain. Contain spillages with sand, earth or any suitable absorbent material.
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6.3. Methods and material for containment and cleaning up

Clean up	Small amounts can be flushed with water. Collect larger spills and deliver for recycling.
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6.4. Reference to other sections

Other instructions	See section 1 (Safety Data Sheet) - Emergency telephone number. See section 8 (Safety Data Sheet) - Exposure controls/personal protection. See section 13 (Safety Data Sheet) - Disposal considerations.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Follow instructions and ensure correct dilution of this product before use. When using do not eat, drink or smoke.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight. Keep out of reach of children.
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7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Control parameters comments No limit values known.

DNEL / PNEC

Substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
DNEL	<p>Group: Professional Route of exposure: Lång sikt (upprepad) - Dermal - Systemisk effekt Value: 2750 mg/kg bw/day</p> <p>Group: Professional Route of exposure: Lång sikt (upprepad) - Inandning - Systemisk effekt Value: 175 mg/m3</p>
PNEC	<p>Route of exposure: Freshwater sediments Value: 5,45 mg/kg dwt</p> <p>Route of exposure: Sewage treatment plant STP Value: 1000 mg/l</p> <p>Route of exposure: Soil Value: 0,946 mg/ kg dwt</p> <p>Route of exposure: Freshwater Value: 0,24 mg/l</p> <p>Route of exposure: Saltwater Value: 0,024 mg/l</p> <p>Route of exposure: Saltwater sediments Value: 0,545 mg/kg dwt</p>

8.2. Exposure controls

Eye / face protection

Eye protection, comments Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product

Hand protection

Skin- / hand protection, short term contact	Normally not required.
Skin- / hand protection, long term contact	Protective gloves are recommended for prolonged or repeated skin contact.
Suitable materials	Polyvinyl chloride (PVC). Nitrile. Neoprene.
Unsuitable materials	Polyvinyl alcohol (PVA).
Breakthrough time	<p>Value: > 360 minute(s) Comments: PVC - 0,45 mm</p> <p>Value: > 360 minute(s) Comments: Nitril - 0,28 mm</p>

	Value: > 480 minute(s) Comments: Neoprene - 0,46 mm
Hand protection, comments	The listed glove materials are proposed after review of the raw materials and review of various known guides for protective gloves.

Skin protection

Skin protection remark	Normally not required.
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Respiratory protection

Respiratory protection, comments	Normally not required.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Green.
Colour intensity	Translucent.
Odour	Perfume.
Odour limit	Comments: Data lacking. Reason for waiving data: No data.
pH	Status: In delivery state Value: ~ 10,0 Temperature: 20 °C Status: In aqueous solution Value: ~ 8,5 Temperature: 20 °C
Freezing point	Value: ~ 0 °C
Boiling point / boiling range	Value: ~ 100 °C
Flash point	Value: > 100 °C Comments: Water-based product.
Evaporation rate	Comments: Not determined.
Flammability	Not classified as a fire hazard.
Explosion limit	Comments: Not explosive.
Vapour pressure	Value: < 3 kPa Temperature: 20 °C
Vapour density	Comments: No data recorded. Reason for waiving data: No data.
Relative density	Value: ~ 1,02 Temperature: 20 °C
Solubility	Comments: Soluble in water.

Partition coefficient: n-octanol/ water	Value: < 3 Comments: Log Pow (Estimated value with starting point from raw materials)
Auto-ignition temperature	Comments: Ej självantändlig.
Decomposition temperature	Comments: No data recorded. Reason for waiving data: No data.
Viscosity	Value: > 600 mm ² /s Method: ISO 2431, 4 mm Comments: Viscous liquid. Temperature: 20 °C Type: Kinematic
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

Physical hazards

Air reactive	Not relevant.
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9.2.2. Other safety characteristics

Miscibility	Fully miscible with water.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Stable under normal temperature conditions and recommended use.
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10.4. Conditions to avoid

Conditions to avoid	Do not mix with other detergents or chemicals.
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10.5. Incompatible materials

Materials to avoid	No information.
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10.6. Hazardous decomposition products

Hazardous decomposition products	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.
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Other information

Other information

Do not mix with other detergents or chemicals.

SECTION 11: Toxicological information

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

Substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: > 2000 mg/kg Animal test species: Rat

Other information regarding health hazards

Acute toxicity, mixture estimate	Dose: ATEmix calculated Route of exposure: Oral Value: > 2000 mg/kg bw
Assessment of acute toxicity, classification	Not classified based on available information.
Assessment of skin corrosion / irritation, classification	Skin Irrit 2. H315 Causes skin irritation.
Assessment of eye damage or irritation, classification	Eye Dam 1. H318 Causes serious eye damage.
Assessment of respiratory sensitisation, classification	Not classified based on available information.
Assessment of skin sensitisation, classification	Not classified based on available information.
Assessment of germ cell mutagenicity, classification	Not classified based on available information.
Assessment of carcinogenicity, classification	Not classified based on available information.
Assessment of reproductive toxicity, classification	Not classified based on available information.
Assessment of specific target organ toxicity - single exposure, classification	Not classified based on available information.
Assessment of specific target organ toxicity - repeated exposure, classification	Not classified based on available information.
Assessment of aspiration hazard, classification	Not classified based on available information.

Symptoms of exposure

In case of ingestion	Irritating. May cause nausea, stomach pain and vomiting.
In case of skin contact	Prolonged contact may cause redness, irritation and cracking.
In case of inhalation	No known chronic or acute health risks.
In case of eye contact	Irritation, burning, lachrymation, blurred vision after liquid splash.

11.2 Other information

Endocrine disruption The product does not contain endocrine substances in accordance with EU 2017/2100, Annex B.

SECTION 12: Ecological information

12.1. Toxicity

Substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Aquatic toxicity, fish
Value: 1 - 10 mg/l
Test duration: 96 h
Species: Fish
Method: LC50

Substance 2-propylheptanol ethoxylated, propoxylated

Aquatic toxicity, fish
Value: 10 - 100 mg/l
Test duration: 96 h
Species: Brachydanio rerio
Method: EC50

Substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Aquatic toxicity, algae
Value: 10 - 30 mg/l
Test duration: 72 h
Species: Algae
Method: EC50

Value: 0,95 mg/l
Test duration: 72 hour(s)
Species: Algae
Method: NOEC

Substance 2-propylheptanol ethoxylated, propoxylated

Aquatic toxicity, algae
Value: 10 - 100 mg/l
Test duration: 72 h
Species: Desmodesmus subspicatus
Method: EC50

Substance Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Aquatic toxicity, crustacean
Value: 1 - 10 mg/l
Test duration: 48 h
Species: Daphnia magna
Method: EC50

Substance 2-propylheptanol ethoxylated, propoxylated

Aquatic toxicity, crustacean
Value: 1 - 10 mg/l
Test duration: 48h
Species: Daphnia magna
Method: EC50

12.2. Persistence and degradability

Persistence and degradability description/evaluation Surfactants complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Substance 2-propylheptanol ethoxylated, propoxylated

Biodegradability **Value:** > 60 %
Method: OECD 301 B
Test period: 28 d

12.3. Bioaccumulative potential

Bioaccumulation, comments Bioaccumulation: Is not expected to be bioaccumulable.

12.4. Mobility in soil

Mobility The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties The product does not contain endocrine substances in accordance with EU 2017/2100, Annex B.

12.7. Other adverse effects

Additional ecological information The product is not classified as dangerous for the environment. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical Residues and used product that cannot be reused shall be treated as hazardous waste.

Appropriate methods of disposal for the contaminated packaging Empty, cleaned packaging should be disposed of for recycling. Cartons/ boxes should be recycled as paper and cardboard packaging.

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

EWC waste code: 150101 paper and cardboard packaging
Classified as hazardous waste: No

Other information A product's waste code depends on the area of activity and how the product is used. A suggestion for a waste code is set out in this safety data sheet. However, it is always the responsibility of the user to make a final assessment/ classification of the waste. Local regulations and EU regulations (see section 15) must be complied with in waste management. Consult local authorities when handling waste.

SECTION 14: Transport information

Dangerous goods No

14.1. UN number

Comments Not relevant.

14.2. UN proper shipping name

Comments Not relevant.

14.3. Transport hazard class(es)

Comments Not relevant.

14.4. Packing group

Comments Not relevant.

14.5. Environmental hazards

ADR/RID/ADN Not relevant.

14.6. Special precautions for user

Special safety precautions for user Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no) No

Ship type required Not relevant.

Pollution category Not relevant.

SECTION 15: Regulatory information

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

Biocides No

Nanomaterial No

Legislation and regulations
 REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on detergents.
 EC 1907/2006 - REACH
 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing.
 SFS 2020:614 - Avfallsförordningen. (Swedish Work Environment Authority)
 AFS 2018:1 - Hygieniska gränsvärden. (Swedish Work Environment Authority)

15.2. Chemical safety assessment

Substance	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Chemical safety assessment performed	Yes
Substance	2-propylheptanol ethoxylated, propoxylated
Chemical safety assessment performed	No
Exposure scenarios for mixture	No

SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
Information added, deleted or revised	Change to Sections: 1, 4.1, 4.2, 8.2, 11.1, 16,
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