

SAFETY DATA SHEET

Drying agent universal



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	28.02.2022
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1.1. Product identifier

Product name	Drying agent universal
Article no.	TP445
Information on the packaging	Type of packaging: Jerry can Size of packaging: 5 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 / preparation	Desiccant for institutions dishwashers.
Main intended use	PC-DET-4.4 Rinse agents for dishes
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	Yes

1.3. Details of the supplier of the safety data sheet

Distributor

Company name	Tingstad Papper AB
Postal address	Marieholmsgatan 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]	Eye Irrit. 2; H319 Flam. Liq. 3; H226
Additional information on classification	For complete wording of H-phrases, see section 16.

2.2. Label elements

Hazard pictograms (CLP)



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation. H226 Flammable liquid and vapour.
Precautionary statements	P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking. P280 Wear protective gloves / protective clothing / eye protection / face protection. P370 + P378 Vid brand: Släck branden med pulver/koldioxid/alkoholresistent skum. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice / attention.
Other label information (CLP)	Text to be labeled: Contains 2-propanol.

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
Isopropyl alcohol	CAS No.: 67-63-0	Eye Irrit. 2; H319	5 -20 %	

	EC No.: 200-661-7	Acute Tox. 3; H336	
	Index No.: 603-117-00-0	Flam. Liq. 2; H225	
	REACH Reg. No.: 01-2119457558-25-xxxx		
Fatty alcohol alkoxylate 4	CAS No.: Saknas	Eye Irrit. 2; H319 H315	5 -15 %
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 centre.

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

General symptoms and effects	Can cause severe eye irritation.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Nothing known, see also section 4.1.
Separate first aid equipment	Eyewash bottles should be available at the working place.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Fire and explosion hazards	Flammable liquid and vapour.
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5.3. Advice for firefighters

Fire fighting procedures	Pay attention to re-ignition.
Other information	Remove not ignited bottles from the fire, if possible, or cool them with water spray. In case of fire, harmful fire gases can be formed.

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.

6.3. Methods and material for containment and cleaning up

Clean up Small amount of spilled product is absorbed up with suitable non-combustible materials or flushed away with water.

6.4. Reference to other sections

Additional information See also sections 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. Allow the suction hose to drain properly when changing the can to avoid spillage.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep out of reach of children. Keep container tightly closed. Keep cool. Protect from sunlight.

7.3. Specific end use(s)

Specific use(s) Desiccant for institutions dishwashers.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Isopropyl alcohol	CAS No.: 67-63-0	Limit value type: NGV Limit value (8 h) : 150 ppm Limit value (short term) Value: 250 ppm	TWA Year: 1989

8.2. Exposure controls

Safety signs



Eye / face protection

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

Hand protection

Suitable materials	Butyl rubber, Neoprene rubber, Nitrile rubber, Barrier of (PE / PA / PE).
Breakthrough time	Value: ≥ 8 hour(s)
Thickness of glove material	Value: $\geq 0,3$ mm

Skin protection

Additional skin protection measures	Contaminated clothing should be laundered before being returned to service.
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Respiratory protection

Respiratory protection necessary at	vapor or aerosol formation handling.
Recommended type of equipment	Use gas filter A (brown) or compressed air apparatus if necessary.

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	Blue.
Colour intensity	Translucent.
Odour	Alcoholic.
Odour limit	Reason for waiving data: No data.
pH	Status: In delivery state Value: ~ 6
Melting point / melting range	Reason for waiving data: Not applicable
Freezing point	Reason for waiving data: No data.
Boiling point / boiling range	Value: ~ 80 °C
Flash point	Value: 30 -40 °C
Evaporation rate	Reason for waiving data: No data.
Flammability	The product is flammable when heated.
Lower explosion limit with unit of measurement	Reason for waiving data: Not applicable
Upper explosion limit with units of measurement	Reason for waiving data: Not applicable
Explosion limit	Reason for waiving data: Not applicable
Vapour pressure	Reason for waiving data: No data.
Vapour density	Reason for waiving data: Not applicable
Relative density	Reason for waiving data: Not applicable

Density	Value: ~ 1 g/cm ³ Temperature: 25 °C
Bulk density	Reason for waiving data: Not applicable
Solubility	Medium: Water Name: Readily soluble
Partition coefficient: n-octanol/ water	Reason for waiving data: No data.
Auto-ignition temperature	Reason for waiving data: No data.
Decomposition temperature	Reason for waiving data: Not applicable
Viscosity	Value: ~ 5 mPa.s Temperature: 25 °C
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	Heating cause product become flammable.
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10.2. Chemical stability

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

Possibility of hazardous reactions	None known.
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10.4. Conditions to avoid

Conditions to avoid	Do not expose the product to temperatures higher than +50 ° C.
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10.5. Incompatible materials

Materials to avoid	No known.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Isopropyl alcohol
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 5840 mg/kg Animal test species: Rat
Substance	Fatty alcohol alkoxyate 4
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 300 -2000 mg/kg Animal test species: Rat

Other information regarding health hazards

Eye contact	Causes serious eye irritation.
Sensitisation	Contains no allergenic substances.
Carcinogenicity, other information	Not considered as carcinogenic.
Reproductive toxicity	Not considered to be toxic for fertility.

11.2 Other information

Other information	No toxicological tests have been performed on the preparation.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Reduced 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, comments	The product is not suspected to bioaccumulate.
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12.4. Mobility in soil

Mobility	High, due to the surface tension lowering effect and the low viscosity.
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12.5. Results of PBT and vPvB assessment

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

Endocrine disrupting properties	The product does not contain any carcinogenic, mutagenic or substances that interfere with reproduction.
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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	Disposed product constitutes hazardous waste according to SFS 2011: 927.
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	1987
IMDG	1987
ICAO/IATA	1987

14.2. UN proper shipping name

Technical name/Danger releasing substance English ADR/RID/ADN	ISOPROPYLALCOHOL
ADR/RID/ADN	ALCOHOLS, N.O.S. (ISOPROPYL ALCOHOL)
IMDG	ALCOHOLS, N.O.S. (ISOPROPYL ALCOHOL)
ICAO/IATA	ALCOHOLS, N.O.S. (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es)

ADR/RID/ADN	3
IMDG	3
ICAO/IATA	3

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

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

Limited quantity	Product of 3 x 5 kg in cardboard boxes are transported as limited quantities (LQ).
Special provisions	When transporting single packaging (5 liters), additional labeling is required.
Hazard No.	30

IMDG Other information

EmS	F-E, S-D
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SECTION 15: Regulatory information

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

Other labelling requirements	Text required by the label according to Regulation (EC) No 648/2004: Contains 5-15% nonionic surfactants, <5% anionic surfactants, phosphonates.
Biocides	No
Nanomaterial	No
References (laws/regulations)	The safety data sheet has been prepared in accordance with Regulation No 1272/2008 CLP. 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.
Declaration No.	Swedish Chemicals Agency A-number: 515746-6.

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)	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour.
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Version	H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. 1
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