

SAFETY DATA SHEET

Teijocleaner T-10 KS

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 15.05.2016

Revision date 04.11.2022

1.1. Product identifier

Product name Teijocleaner T-10 KS

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

Use of the substance / mixture Hard surface cleaner.

Relevant identified uses
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
PC35 Washing and cleaning products (including solvent based products)
PROC1 Use in closed process, no likelihood of exposure
ERC4 Industrial use of processing aids in processes and products, not becoming part of articles

Industrial use Yes

Professional use Yes

Consumer use No

1.3. Details of the supplier of the safety data sheet

Downstream user

Company name Teijo Cleaning Machines Ltd

Postal address P.O. Box 16

Postcode FI-29251

City NAKKILA

Country Finland

Telephone number +358 2 531 2200

Fax +358 2 537 3192

Email teijo@teijopesu.fi

Website <http://www.teijopesu.fi/>

Contact person	Marjut Miettinen
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1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Dial 112. Request Poisons Information Centre
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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 Corr. 1B; H314
Substance / mixture hazardous properties	Causes severe skin burns and eye damage.

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Disodium trioxosilicate 3 - 8 %
Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage.
Precautionary statements	P280 Wear protective gloves / protective clothing / eye protection / face protection. 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. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

2.3. Other hazards

Other hazards	Not entered.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Disodium trioxosilicate	CAS No.: 10213-79-3	Skin Corr. 1B; H314	3 - 8 %	
	EC No.: 229-912-9	STOT SE 3; H335		
	REACH Reg. No.: 01-2119449811-37	Eye Dam. 1; H318		
		Met. Corr. 1; H290		
Potassium octanoate	CAS No.: 764-76-1	Skin Irrit. 2; H315	1 - 5 %	
	EC No.: 212-130-7	Eye Irrit. 2; H319		
Alcohols, C10-12 (even numbered) , ethoxylated propoxylated (>2.5 moles	CAS No.: 68154-97-2 REACH Reg. No.: polymer	Eye Irrit. 2; H319	< 5 %	

EO/PO)			
methyl-1H-benzotriazole	CAS No.: 29385-43-1 EC No.: 249-596-6 REACH Reg. No.: 01-2119979081-35-xxxx	Acute Tox. 4; H302 Aquatic Chronic 2; H411	< 0,5 %
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

Inhalation	Fresh air. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Skin contact	Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if any discomfort continues.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
Ingestion	Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. DO NOT induce vomiting. Get medical attention immediately.

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

Acute symptoms and effects	Corrosive.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	No recommendation given.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	No recommendation given.
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5.3. Advice for firefighters

Fire fighting procedures	Move container from fire area if it can be done without risk.
Other information	Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Use personal protective equipment as required. For personal protection, see section 8.
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6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground. Collect and dispose of spillage as indicated in section 13.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Flush away small spillages with plenty of water. Large quantities should not be discharged into the drain but removed with absorbing material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
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6.4. Reference to other sections

Other instructions	No recommendation given.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Observe good chemical hygiene practices.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Protect from freezing and direct sunlight.
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7.3. Specific end use(s)

Recommendations	Do not handle until all safety precautions have been read and understood.
Specific use(s)	The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Other Information about threshold limit values	No recommendation given.
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DNEL / PNEC

Substance	Disodium trioxosilicate
DNEL	<p>Group: Industrial Route of exposure: Long-term inhalation (local) Value: 6,22 mg/m³</p> <p>Group: Industrial Route of exposure: Long-term dermal (local) Value: 1,49 mg/kg bw/day</p> <p>Group: Consumer Route of exposure: Long-term dermal (local) Value: 0,74 mg/kg bw/day</p>

Group: Consumer
Route of exposure: Long-term inhalation (local)
Value: 1,55 mg/m³

Group: Consumer
Route of exposure: Long-term oral (local)
Value: 0,74 mg/kg bw/day

8.2. Exposure controls

Limitation of exposure on workplace	Provide eyewash station.
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Safety signs



Eye / face protection

Eye protection	Use approved safety goggles or face shield.
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Hand protection

Hand protection	Protective gloves should be used if there is a risk of direct contact or splash.
Suitable gloves type	Use protective gloves made of: Nitrile.
Breakthrough time	Value: > 480 minute(s)
Thickness of glove material	Value: > 0,3 mm

Skin protection

Skin protection (except hands)	Wear suitable protective clothing as protection against splashing or contamination.
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Respiratory protection

Respiratory protection	Under normal conditions of use respiration protection should not be required.
Mask type	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Colourless-pale yellow liquid.
Odour	Slight odour.
pH	Status: In delivery state Value: 13,5
	Status: In aqueous solution Method: 1 %

	Test reference: 11,5
Boiling point / boiling range	Value: > 100 °C
Density	Value: ~ 1,085 g/cm ³
Solubility	Medium: Water

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	No recommendation given.
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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 the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No recommendation given.
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10.4. Conditions to avoid

Conditions to avoid	The solution is strongly alkaline and reacts with strong acids with heat generation.
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10.5. Incompatible materials

Materials to avoid	Strong acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.
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SECTION 11: Toxicological information

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

Other information regarding health hazards

Inhalation	Spray mist irritates the respiratory system, and may cause coughing and difficulties in breathing.
Skin contact	Corrosive.
Eye contact	Corrosive. Risk of serious damage to eyes.
Ingestion	Harmful: possible risk of irreversible effects if swallowed.

11.2 Other information

Endocrine disruption	This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
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SECTION 12: Ecological information

12.1. Toxicity

Substance	Disodium trioxosilicate
Aquatic toxicity, fish	Toxicity type: Acute Value: 210 mg/l Effect dose concentration: LC50 Exposure time: 96 hour(s) Species: Brachydanio rerio
Substance	Disodium trioxosilicate
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 1700 mg/l Effect dose concentration: EC50 Exposure time: 48 hour(s) Species: Daphnia magna
Ecotoxicity	There are no data on the ecotoxicity of this product.

12.2. Persistence and degradability

Persistence and degradability, comments	All organic components are considered biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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12.4. Mobility in soil

Mobility	The product contains substances, which are water soluble and may spread in water systems.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	Not determined.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
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12.7. Other adverse effects

Other adverse effects, comments	No recommendation given.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Collect in marked containers and deliver to approved depot.
Product classified as hazardous waste	Yes

SECTION 14: Transport information

Dangerous goods	Yes
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14.1. UN number

ADR/RID/ADN	1760
IMDG	1760
ICAO/IATA	1760

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	CORROSIVE LIQUID, N.O.S.
ADR/RID/ADN	CORROSIVE LIQUID, N.O.S.
Technical name/danger releasing substance ADR/RID/ADN	Natriummetasilikat
IMDG	CORROSIVE LIQUID, N.O.S.
Technical name/danger releasing substance IMDG	Natriummetasilikat
ICAO/IATA	CORROSIVE LIQUID, N.O.S.
Technical name/danger releasing substance ICAO/IATA	Natriummetasilikat

14.3. Transport hazard class(es)

ADR/RID/ADN	8
Classification code ADR/RID/ADN	C9

14.4. Packing group

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

14.5. Environmental hazards

ADR/RID/ADN	The product should not be labeled as environmentally hazardous.
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14.6. Special precautions for user

Special safety precautions for user	None.
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14.7. Maritime transport in bulk according to IMO instruments

Product name	CORROSIVE LIQUID, N.O.S.
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Additional information

Hazard label ADR/RID/ADN	8
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Hazard label IMDG	8
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Hazard label ICAO/IATA	8
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ADR/RID Other information

Tunnel restriction code	E
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Transport category	3
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Hazard No.	80
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Other applicable information ADR/ RID	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

Other label information	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
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Legislation and regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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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
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	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)	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects.
Additional information	The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.
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