

SAFETY DATA SHEET

TEIJO 2005

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	26.05.2017
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1.1. Product identifier

Product name	TEIJO 2005
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / preparation	Hard surface cleaner.
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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
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The chemical can be used by the general public	No
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1.3. Details of the supplier of the safety data sheet

Downstream user

Company name	Teijo Cleaning Machines Ltd
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Postal address	P.O. Box 16
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Postcode	FI-29251
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City	NAKKILA
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Country	Finland
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Telephone number	+358 2 531 2200
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Fax	+358 2 537 3192
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Email	teijo@teijopesu.fi
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Website	http://www.teijopesu.fi
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Enterprise No.	0671564-8
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Contact person	Marjut Miettinen
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1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Ring
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SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to 67/548/EEC or 1999/45/EC	C; R34,R34;
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Corr 1B; H314,H314

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Caustic potash 1 -5 %
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. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower. 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.

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
Caustic potash	CAS No.: 1310-58-3 EC No.: 215-181-3 Index No.: 019-002-00-8	Acute Tox. 4;H302 Skin Corr. 1A;H314	1 -5 %
Tetrapotassium pyrophosphate	CAS No.: 7320-34-5 EC No.: 230-785-7 REACH Reg. No.: 01-2119489369-18	Eye Irrit. 2; H319	1 - 5 %
Potassium 4-isopropylbenzenesulphonate	CAS No.: 164524-02-1 EC No.: 629-764-9 REACH Reg. No.: 01-2119489427-24-0000	Eye Irrit. 2; H319	1 -5 %

Sodium p-cumenesulphonate	EC No.: 239-854-6 REACH Reg. No.: 01-2119489411-37-0000	Eye Irrit. 2; H319	1 -5 %
Substance comments	The full text for all R-phrases are 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. Contact physician if irritation persists.
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	No recommendation given.
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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

Substance	Identification	Value	TWA Year
Caustic potash	CAS No.: 1310-58-3		
Other Information about threshold limit values	No recommendation given.		

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.

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 Value: ~ 11,5 Method: 1%
Boiling point / boiling range	Value: > 100 °C
Specific gravity	Value: ~ 1120
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 toxicological effects

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.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	There are no data on the ecotoxicity of this product.
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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. 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

14.1. UN number

ADR / RID / ADN	1814
IMDG	1814
ICAO / IATA	1814

14.2. UN proper shipping name

Proper shipping name english ADR / RID / ADN	POTASSIUM HYDROXIDE SOLUTION
ADR / RID / ADN	POTASSIUM HYDROXIDE SOLUTION
IMDG	POTASSIUM HYDROXIDE SOLUTION
ICAO / IATA	POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR / RID / ADN	8
Classification code ADR / RID / ADN	C5
IMDG	8
ICAO / IATA	8

14.4. Packing group

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

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product name	POTASSIUM HYDROXIDE SOLUTION
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Additional information

ADR / RID / ADN hazard label	8
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IMDG Hazard label	8
ICAO / IATA Hazard label	8

ADR / RID - Other information

Tunnel restriction code	E
Transport category	2
Hazard No.	80
RID other applicable information	80

IMDG / ICAO / IATA 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	As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions. 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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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 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. H314 Causes severe skin burns and eye damage. H319 Causes serious eye irritation.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Corr 1B; H314,H314
Additional information	The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.
Version	1