

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Trade Name	Description	Unit	Code
Teepol	Beer Line Cleaner (Non-Caustic)	2 x 5L UNII	0052

1.2 Relevant identified uses of the substance/mixture and uses advised against

For cleaning beer lines and metered beer engines

1.3 Details of the supplier of the safety data sheet

Company	Teepol Products,	Telephone	01689 877020
Address	Harvey Waddington, Murray Road, Orpington, Kent BR5 3QY	Fax	01689 877027
		E-Mail	sales@teepol.co.uk

1.4 Emergency telephone number +44 (0)1689 877020 (09:00 - 16:00 Monday to Friday)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP

Acute. Tox. 4 - Inha, H332

Met. Corr. 1, H290

Rep Tox 2, H361d

Skin. Corr. 1A B C, H314

2.2 Label elements

Signal Word: DANGER Hazard Pictograms:

DANGER

Hazard Statements:



H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

H361d Suspected of damaging the unborn child.

Precautionary Statements:

Disposal

P501 Dispose of contents/container to licensed waste disposal site.

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

2.3 Other hazards

EUH none None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Pentasodium Diethylenetriaminepentaacetate	01-2119474445-33	140-01-2	205-391-3	5-15
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Reproductive toxicant	Rep Tox 2	H361d Reproductive toxicant		
Acute toxicity	Acute. Tox. 4 - Inha	H332 Acute toxicity		

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Sodium metasilicate	01-2119449811-37-XXXX	6834-92-0	229-912-9	5-15
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Skin corrosion/irritation	Skin. Corr. 1A B C	H314 Skin corrosion/irritation		
Serious eye damage/irritation	Eye. Dam. 1	H318 Serious eye damage/irritation		
Corrosive to metals	Met. Corr. 1	H290 Corrosive to metals		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Remove contaminated clothing.

After inhalation

Ensure supply of fresh air and seek medical attention.

After contact with skin

Wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention.

After contact with eyes

Irrigate with water for 10 to 15 minutes until irritation subsides. If irritation persists seek medical attention.

After ingestion:

If conscious, give plenty of water to drink, do not induce vomiting, obtain medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Eye and skin irritation

4.3 Indication of any immediate medical attention and special treatment needed

Rinse with clean water

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

5.1 Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture

May produce oxides of carbon, nitrogen, sodium and sulphur.

5.3 Advice fo Fire Fighters

Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

SECTION 6: ACCIDENTAL RELEASE MEAS

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate PPE. Avoid breathing vapours if any and ensure adequate ventilation. Cordon off area to other personnel.

6.2 Environmental precaution

Do not allow to enter surface water drains, soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.

6.4 Reference to Other Sections: See Section 8 and 13 for more information on exposure and disposal.

SECTION 7: HANDLING and STORAGE

7.1 Precautions for safe handling

Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original containers out of reach of children. Storage temperature should be between 5°C and 30°C.

7.3 Specific end use(s)

Use only as directed on the container or label.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control paramenters

Contains no substances with known occupational exposure limits.

8.2 Exposure Controls

Do not eat, drink or smoke whilst working and wash hands after use.

Exposure Controls - Eyes: Avoid contact with eyes.

Exposure Controls - Skin: Wear vinyl, latex or nitrile gloves.

Exposure Controls - Respiratory None required.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance / Odour Odourless straw coloured liquid. (Method: QP22)

pH (10% soln.) >12 (Method: QP03)

Melting/freezing point: 0°C

Flammable / Flash point Not Flammable

Relative density 1.11 g/cm³ @ 20°C (Method: QP07)

Solubility: Soluble/dispersible in water

Viscosity: As water @20°C (Method: QP04)

Oxidising properties: Not applicable.

Explosive properties: Not applicable.

9.2 Other Information No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not known to react with other chemicals.

10.2 Chemical Stability: No decomposition if stored and applied as directed.

10.3 Hazardous Reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.6 Hazardous Decomposition Products Oxides of carbon.

10.4 Conditions to Avoid: No information available.

10.5 Incompatible Materials: Strong acids. Strong oxidising agents. May react with acids and fluorine gas,

may react with Aluminium, Zinc, Tin and their alloys liberating hazardous fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substance	Toxicity
Pentasodium Diethylenetriamine pentaacetate	11.1. Information on toxicological effects Acute toxicity - inhalation ATE inhalation (gases ppm) 17,482.52 ATE inhalation (vapours mg/l) 42.74 ATE inhalation (dusts/mists mg/l) 5.83 Reproductive toxicity Reproductive toxicity - fertility Contains a substance/a group of substances which may damage the unborn child. Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Ingestion May cause severe internal injury. Skin contact Irritating to skin. Eye contact Irritating to eyes.
Sodium metasilicate	Toxicity values: Route Species Test Value Units ORAL RAT LD50 1280 mg/kg ORAL MUS LD50 770 mg/kg Relevant effects for mixture: Effect Route Basis Irritation INH Hazardous: calculated Corrosivity OPT INH DRM Hazardous: calculated Symptoms / routes of exposure Skin contact: Irritation or pain may occur at the site of contact. Severe burns may occur. Eye contact: There may be irritation and redness. There may be severe pain. Corneal burns may occur. Risk of serious damage to eyes. Ingestion: There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. May cause throat burns. Nausea and stomach pain may occur. There may be vomiting. Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. May cause irritation of the mucous membranes and respiratory system. High concentrations are irritant to the respiratory tract. Corrosive to the mucous membrane. Prolonged or repeated exposure may cause ulceration and perforation of the nasal septum. Delayed / immediate effects: Immediate effects can be expected after short-term exposure. Other information: * There is no further information at this time.

No information regarding interactions between the ingredients in this mixture is available, therefore, the information shown above is separately reported for each relevant ingredient used in the mixture even though it may be present below its concentration limit and represent no toxicity in the mixture as a whole.

SECTION 12: ECOLOGICAL INFORMATION

No specific information is available for this mixture, therefore, the following information regarding the relevant substances used in this mixture is provided, even though they may be present below the concentration limit and represent minimal or no toxicity to the environment.

Substance	ECO Toxicity
Pentasodium Diethylenetriamine pentaacetate	Ecotoxicity: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. 12.1. Toxicity Acute Fish Toxicity Not considered toxic to fish. 12.2. Persistence and degradability Degradability: There are no data on the degradability of this product.

Pentasodium Diethylenetriamine pentaacetate	12.3. Bioaccumulative potential Bioaccumulative Potential: The product does not contain any substances expected to be bioaccumulating. 12.4. Mobility in soil Mobility: The product is soluble in water. 12.5. Results of PBT and vPvB assessment This product does not contain any PBT or vPvB Substances. 12.6. Other adverse effects Not determined.
Sodium metasilicate	12.1. Toxicity Ecotoxicity values: Species Test Value Units DAPHNIA 48H EC50 4857 mg/l FISH 96H LC50 3185 mg/l ALGAE 96H EC50 > 1000 mg/l 12.2. Persistence and degradability Persistence and degradability: Biodegradable. 12.3. Bioaccumulative potential Bioaccumulative potential: There is no evidence of bioaccumulation. 12.4. Mobility in soil Mobility: Soluble in water. 12.5. Results of PBT and vPvB assessment PBT identification: This substance is not identified as a PBT substance. 12.6. Other adverse effects Other adverse effects: Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided. Discharge of large quantities may kill fish and other aquatic life due to increase/decrease in pH. Large doses causes high/low pH which may affect effluent and sewage treatment processes.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

When disposing of surplus or waste product use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

SECTION 14: TRANSPORT INFORMATION

- 14.1 UN number:** 1760
14.2 Shipping Name: Teepol Beer Line Cleaner (Non-Caustic)
14.3 Transport hazard class CORROSIVE LIQUID, N.O.S
14.4 Packing group: II
14.5 Environmental Hazards: CORROSIVE LIQUID, N.O.S

14.6 Special precautions for user:

No information

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:

No information



SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environment regulation/legislation specific to the substance or mixture

EU Legislation

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.

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.

Guidance

ECHA Guidance on the application of CLP criteria (Version 4: November 2013)

ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

15.2 Chemical safety assessment

No information

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

- H318 Causes serious eye damage.
- H314 Causes severe skin burns and eye damage.
- H332 Harmful if inhaled.
- H290 May be corrosive to metals.
- H361D Suspected of damaging the unborn child.

Directions:

Dilute 1 to 40 with warm water, pump into system and allow to soak for at least 30 minutes. Pump system through with plenty of clean water.

Rinse and dry hands after use.

If you have damaged or sensitive skin, avoid prolonged contact with neat product or dilute solution. If accidentally splashed into eyes rinse well with cold water.

Further Information: The latest version of this data sheet may be obtained from the Harvey Waddington Web Site at: www.teepol.co.uk

GLOSSARY: PPE Personal protective equipment. N/A Not applicable. N/K Not known OES Occupational exposure limit
TWA Time weighted average W/V Weight to volume

The data contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

ANIMAL TESTING: Teepol Products (UK) do not test their finished products on animals.

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