

SAFETY DATA SHEET

Revision date: 23/02/2017

Version no 2

Print date: 23/02/2017

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

1.1 Product identifiers

Trade Name	Description	Unit	Code
Teepol	Floor Stripper	2 x 5L UNII	0145
Teepol	Floor Stripper	200 L Drum	0629

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

Recommended floor surfaces: Vinyl, Thermoplastic, Asphalt, Composition, Terrazzo, Marble, Concrete, Ceramic tiles, Quarry tiles, and all Sealed Wood and Cork floors, Rubber and Linoleum should always be treated with care.

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
Met. Corr. 1, H290

Skin. Corr. 1A B C, H314

2.2 Label elements

Signal Word: *Hazard Pictograms:*

DANGER

Hazard Statements:



H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary Statements:

Disposal

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

Prevention

P264 Wash ... thoroughly after handling.

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.

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>
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		

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
3-Butoxypropan-2-ol	603-052-00-8	5131-66-8	225-878-4	5-15
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Skin corrosion/irritation	Skin. Irrit. 2	H315 Skin corrosion/irritation		
Serious eye damage/irritation	Eye. Irrit. 2	H319 Serious eye damage/irritation		

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Propan-2-ol	603-117-00-0	67-63-0	200-661-7	<5
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Serious eye damage/irritation	Eye. Irrit. 2	H319 Serious eye damage/irritation		
Flammable liquid	Flam. Liq. 2	H225 Flammable liquid		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Remove contaminated clothing and wash off skin/eyes immediately.

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 and 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

Inhalation may cause pain in respiratory system, sneezing. Soreness and reddening of skin. Painful irritation, reddening and watering of eyes. Ingestion may cause pain in digestive tract.

4.3 Indication of any immediate medical attention and special treatment needed

Use water to neutralize product in the case of skin, eye contact or ingestion.

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

(Propanol) OES: TWA 8 hours 400ppm STEL: 15 mins 500ppm.

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 Avoid breathing vapours. Provide adequate ventilation.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance / Odour Pale straw coloured liquid with characteristic odour (Method: QP22)

pH (10% soln.) 13.2 (Method: QP03)

Melting/freezing point: 0°C

Flammable / Flash point Not Flammable

Relative density 1.05 g/cm³ @ 20°C (Method: QP07)

Solubility: Soluble/dispersible in water

Viscosity: Non-viscous @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
Sodium metasilicate	<p>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.</p>
3-Butoxypropan-2-ol	<p>LD50 (oral,rat) 2700 mg/kg LD50 (skin,rat) 2000 mg/kg LC50 (inhalation,rat) 651 mg/l/4h Inhalation: May cause dizziness - May cause drowsiness Contact with skin - Causes irritation Contact with eyes - Causes irritation Ingestion - May cause dizziness, confusion, headache or stupor - May cause gastro-intestinal disturbances Carcinogenicity - No evidence of carcinogenic effects Teratogenicity - No evidence of reproductive effects Mutagenicity - No evidence of reproductive effects</p>

Propan-2-ol

Acute Toxicity (Oral LD50) > 2000 mg/kg Rat
 Acute Toxicity (Dermal LD50) > 2000 mg/kg Rabbit
 Acute Toxicity (Inhalation LC50) > 20 mg/l (vapours) Rat 4 hours
 Serious Eye Damage/Irritation - Irritating
 Not sensitizing
 Not a carcinogen
 General Information
 Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation
 Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. Prolonged inhalation of high concentrations may damage respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Harmful: possible risk of irreversible effects through inhalation.

Ingestion. - Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Irritating. May be absorbed in the body and cause dizziness, nausea and vomiting. Swallowing concentrated chemical may cause severe internal injury.

Skin Contact - Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Risk of sensitisation or allergic reactions among sensitive individuals.

Eye Contact - Extreme irritation of eyes and mucous membranes, including burning and tearing. Risk of corneal damage.

Route of entry - Inhalation. Ingestion. Skin and/or eye contact.

Target Organs - Central nervous system Eyes Gastro-intestinal tract Skin

Medical Symptoms - Extreme irritation of eyes and mucous membranes, including burning and tearing. Visual disturbances, incl. Blurred vision. Nausea, vomiting. Headache.

Medical Considerations - Splash in eye requires examination by eye specialist.

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
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.

- 3-Butoxypropan-2-ol
- 12 .1 Toxicity
 - LC50 (fish) 560 mg/l (96 hr)
 - EC50 (daphnia) >1000 mg/l (48 hr)
 - IC50 (algae) 560 mg/l (96 hr)
 - 12 .2 Persistence and degradability
 - Readily biodegradable
 - 12 .3 Bioaccumulation Potential
 - Bioaccumulation is insignificant
 - 12 .4 Mobility in soil
 - Completely soluble in water
 - 12 .5 Results of PBT and vPvB assessment
 - Not a PBT according to REACH Annex XIII
 - 12 .6 Other Adverse Effects

- Propan-2-ol
- 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 Toxicity - Fish LC50 48 hours > 100 mg/l *Leuciscusidus* (Golden orfe)
Acute Toxicity Aquatic Invertebrates EC50 48 hours > 100mg/l *Daphnia magna*
Acute Toxicity - Aquatic Plants EC50 72 hours > 100 mg/l *Scenedesmus subspicatus*
- 12.2. Persistence and degradability
Degradability:
Readily biodegradable meeting the 10 day window criterion. The product is biodegradable. Oxidises rapidly by photochemical reactions in air. Integrated environmental half-life expected to be 1-<10 days
Dominant loss process - biodegradation
Chemical Oxygen Demand 2.2 g O₂/g substance
- 12.3. Bioaccumulative potential
Bioaccumulative Potential:
Does not bioaccumulate significantly
Partition Coefficient 0.05
- 12.4. Mobility in soil
Mobility:
The product is water soluble and may spread in water systems. Large volumes may penetrate soil and could contaminate groundwater
Product remaining on soil surface evaporates within one day If product enters soil it will be mobile and may contaminate groundwater.
- 12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB Substances.
- 12.6. Other adverse effects
The product contains volatile, organic compounds which have a photochemical ozone creation potential.

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 Floor Stripper
- 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.
- H319 Causes serious eye irritation.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H225 Highly flammable liquid and vapour.
- H290 May be corrosive to metals.

Directions:

Emulsion Floor Polish to be removed manually 400ml to 5 litres of cold water. Allow 5 - 10 minutes for solution to soften the polish. Built up areas: Agitate with a black nylon hand pad. Heavy Build Up of Emulsion Floor Polishes: Compacted Grease and Oils using all types of Floor Machines or Automatic Scrubber Dryers: 200ml to 5 litres of cold water. Oily & Greasy Floors: Walls, Machine Degreasing, Kitchens or emoving Emulsion Polish: 100ml to 5 litres of cold water. Dirt & Grease Removal by Hand on Hard Surfaces: 25ml of Floor Stripper in a 600ml trigger spray bottle then fill with cold water to the 600ml mark, makes this unique product very economical for daily cleaning. Stronger solutions may be used if required. Do not use Floor Stripper in its concentrated form. Recommended: When operating a single brush floor scrubbing machine or any type of automatic scrubber dryer, firstly allow a short time for the solution to soak and soften the emulsion polish or compacted oil and grease. Then scrub using a stripping pad and finally vacuum up the slurry. There is no need to rinse, however to ensure all the slurry has been removed, rinse with clean water. Floor Stripper can be used safely through a pressure washer.

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.

The information contained in this document is based on information believed to be correct on the date of issue. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of this information. The user assumes all liability for any damage or injury resulting from abnormal use, from the failure to adhere to recommended practises, or from hazards inherent in the nature of the product. In accordance with our policy of incorporating technical improvements, we reserve the right to amend any specification without notice.