

SAFETY DATA SHEET

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Version no 2

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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	Biological Odour Controller	12 x 500ml Tri	0441
Teepol	Biological Odour Controller	1000 L IBC	0856
Teepol	Biological Odour Controller	500ml	0441S

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

Biological odour controller for most organic sources. Use in dustbins, wheelie bins, waste bins, bin stores etc. May also be used on fabrics and carpets to remove unwanted odours.

1.3 Details of the supplier of the safety data sheet

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

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]
 None, None

2.2 Label elements

Signal Word: *Hazard Pictograms:*

Hazard Statements:

None

Precautionary Statements:

Disposal

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

Storage

P102 Keep out of reach of children.

2.3 Other hazards

EUH none None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Substance Name	REACH Reg. No.	CAS-No.	EC-No.	Amount [%]
<i>Product Identifier:</i> Teepol Biological Odour Controller				

<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		
<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
alpha-amylase	647-015-00-4	9000-90-2	232-565-6	<1
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Respiratory/skin sensitization	Resp. Sens. 1	H334 Respiratory/skin sensitization		
<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Protease		9080-56-2	232-991-2	<1
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Respiratory/skin sensitization	Resp. Sens. 1	H334 Respiratory/skin sensitization		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Remove contaminated clothing.

After inhalation

Ensure supply of fresh air

After contact with skin

Rinse off with water

After contact with eyes

Rinse eyes with water until irritation subsides.

After ingestion:

If small amount wash out mouth with water and drink clean water. If amount is large give plenty of water to drink, do not induce vomiting and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Eye irritation and reddening

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 to 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 parameters

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 Blue liquid with citrus odour (Method: QP22)

pH (10% soln.) 5.5 - 6.5 (Method: QP03)

Melting/freezing point: 0°C

Flammable / Flash point Not Flammable

Relative density 0.99 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 stability concerns

10.3 Hazardous Reactions: None known

10.6 Hazardous Decomposition Products May produce toxic products of combustion when involved with a fire.

10.4 Conditions to Avoid: None known

10.5 Incompatible Materials: None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substance	Toxicity
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
Propan-2-ol	<p>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.</p> <p>12.1. Toxicity Acute Toxicity - Fish LC50 48 hours > 100 mg/l <i>Leuciscusidus</i> (Golden orfe) Acute Toxicity Aquatic Invertebrates EC50 48 hours > 100mg/l <i>Daphnia magna</i> Acute Toxicity - Aquatic Plants EC50 72 hours > 100 mg/l <i>Scenedesmus subspicatus</i></p> <p>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</p> <p>12.3. Bioaccumulative potential Bioaccumulative Potential: Does not bioaccumulate significantly Partition Coefficient 0.05</p> <p>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.</p> <p>12.5. Results of PBT and vPvB assessment This product does not contain any PBT or vPvB Substances.</p> <p>12.6. Other adverse effects The product contains volatile, organic compounds which have a photochemical ozone creation potential.</p>

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: N/A

14.2 Shipping Name: Teepol Biological Odour Controller

14.3 Transport hazard class None

14.4 Packing group: N/A

14.5 Environmental Hazards: None

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

H319 Causes serious eye irritation.

H225 Highly flammable liquid and vapour.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. Safety in the Laboratory

Directions:

Spray into bin preferably once a day. For fabrics spray onto source of odour after cleaning. Always test on an inconspicuous surface area before use.

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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