

SAFETY DATA SHEET

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1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

| Trade Name | Description | Unit | Stock Code |
|------------|----------------------------|-----------|------------|
| Teepol | Citrus Cleaner Concentrate | 2 x 5L | 0244 |
| Teepol | Citrus Cleaner Concentrate | 10 L Drum | 0594 |

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

Citrus based neutral cleaner for all washable surfaces. May be used neat for stubborn marks / stains.

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)

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or preparation

Classification according to CHIP and EU Directive 67/548/EEC or 1999/45/EC

None

2.2 Label elements

Pictogram(s)

None

R-phrase(s)

(NC) Not Classified.

S-phrase(s)

(2) Keep out of the reach of children.

2.3 Other hazards

EUH none None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

| Substance Name | Index-No. | CAS-No. | EC-No. | Amount [%] |
|------------------------------|-------------------------------|------------------------------|--------------------------|------------|
| Alcohol Ethoxylate | | 68439-45-2 | | <5 |
| <u>Classification (CHIP)</u> | <u>Hazard Class (CLP)</u> | <u>Hazard Category (CLP)</u> | <u>Hazard Statements</u> | |
| Xi; R22-41 | Serious eye damage/irritation | Eye. Dam. 1 | H318 | |
| Xi; R22-41 | Acute toxicity | Acute. Tox. 4 - Oral | H302 | |

| <u>Substance Name</u> | <u>Index-No.</u> | <u>CAS-No.</u> | <u>EC-No.</u> | <u>Amount [%]</u> |
|---|--------------------------------------|------------------------------|------------------|--------------------------|
| Ethyl Diglycol | | 00111-90-0 | 203-919-7 | <5 |
| <u>Classification (CHIP)</u> | <u>Hazard Class (CLP)</u> | <u>Hazard Category (CLP)</u> | | <u>Hazard Statements</u> |
| Xi; R36 | Serious eye damage/irritation | Eye. Irrit. 2 | H319 | |
| <u>Substance Name</u> | <u>Index-No.</u> | <u>CAS-No.</u> | <u>EC-No.</u> | <u>Amount [%]</u> |
| Citrus Terpenes | | 8028-48-6 | 232-433-8 | <5 |
| <u>Classification (CHIP)</u> | <u>Hazard Class (CLP)</u> | <u>Hazard Category (CLP)</u> | | <u>Hazard Statements</u> |
| F; R10 Xi; R38-43 N; R50/53-65 | Skin corrosion/irritation | Skin. Irrit. 2 | H315 | |
| F; R10 Xi; R38-43 N; R50/53-65 | Respiratory/skin sensitization | Skin. Sens. 1 | H317 | |
| F; R10 Xi; R38-43 N; R50/53-65 | Hazardous to the aquatic environment | Aquatic Acute 1 | H400 | |
| F; R10 Xi; R38-43 N; R50/53-65 | Flammable liquid | Flam. Liq. 3 | H226 | |
| <u>Substance Name</u> | <u>Index-No.</u> | <u>CAS-No.</u> | <u>EC-No.</u> | <u>Amount [%]</u> |
| Sodium Alkyl Sulphate | | 72906-11-7 | 276-987-9 | <5 |
| <u>Classification (CHIP)</u> | <u>Hazard Class (CLP)</u> | <u>Hazard Category (CLP)</u> | | <u>Hazard Statements</u> |
| Xi; R38-41 | Skin corrosion/irritation | Skin. Irrit. 2 | H315 | |
| Xi; R38-41 | Serious eye damage/irritation | Eye. Dam. 1 | H318 | |
| <u>Substance Name</u> | <u>Index-No.</u> | <u>CAS-No.</u> | <u>EC-No.</u> | <u>Amount [%]</u> |
| 2-bromo-2-nitropropanol-1,3-diol | 603-085-00-8 | 52-51-7 | 200-143-0 | <1 |
| <u>Classification (CHIP)</u> | <u>Hazard Class (CLP)</u> | <u>Hazard Category (CLP)</u> | | <u>Hazard Statements</u> |
| Xn; R21/22 Xi; R37/38-41 N; R5 | Hazardous to the aquatic environment | Aquatic Acute 1 | H400 | |

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.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None

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.

6. ACCIDENTAL RELEASE MEASURES

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 precautions

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.

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.

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.

9. PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance / Odour Orange liquid with citrus odour (Method: QP22)

pH (10% soln.) 8.5 - 9 (Method: QP03)

Melting/freezing point: 0°C

Flammable / Flash point Not Flammable

Relative density 1.01 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.

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| Substance | Toxicity |
|--------------------|--|
| Alcohol Ethoxylate | Toxicity value(s): ORL RAT LD50 >200<2000 mg/kg Acute effects: Harmful if swallowed. Risk of serious damage to eyes. Skin contact: There may be irritation and redness at the site of contact. Eye contact: There may be irritation and redness. The eyes may water profusely. There may be severe pain. May cause permanent damage. Ingestion: 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. |

| | |
|----------------------------------|--|
| Ethyl Diglycol | <p>Health Hazards: LD50 (Oral Rat) 5.5g / Kg. (Dermal Rat) 6g / Kg Inhalation: High concentration may cause eye/respiratory irritation. Ingestion: Small amount unlikely to cause injury. Large amount may cause gastric irritation and vomiting Eye contact: May cause conjunctival damage. Skin contact: Prolonged or repeated contact may result in skin irritation</p> |
| Citrus Terpenes | <p>Toxic Dose 1 - LD 50 >5000 mg/kg (oral rat) Inhalation Irritating to respiratory system. Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing. Ingestion Harmful: may cause lung damage if swallowed. Skin contact Irritating to skin. Eye contact Irritating to eyes.</p> |
| Sodium Alkyl Sulphate | <p>Information on toxicological effects Acute toxicity: Irritation / Corrosivity on the skin: Irritant to skin and mucous membranes. on the eye: Strong irritant with the danger of severe eye injury. Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant</p> |
| 2-bromo-2-nitropropanol-1,3-diol | <p>Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion. Toxicity to Animals: Acute oral toxicity (LD50): 180 mg/kg [Rat]. Chronic Effects on Humans: Not available. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation (lung irritant). Slightly hazardous in case of skin contact (sensitizer). Special Remarks on Toxicity to Animals: Not available. Special Remarks on Chronic Effects on Humans: Not available. Special Remarks on other Toxic Effects on Humans: Not available.</p> |

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.

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 |
|--------------------|---|
| Alcohol Ethoxylate | <p>Ecotoxicity value(s): FISH 96H LC50 1-10 mg/l Mobility: Soluble in water. Persistence and degradability: This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of the detergent manufacturer. PBT identification: This substance is not identified as a PBT substance.</p> |

| | |
|----------------------------------|--|
| Ethyl Diglycol | <p>12.1. Toxicity Acute toxicity - Fish LC50 : 13400 mg/l (Fish; 96 h)</p> <p>12.2. Persistence and degradability Persistence and degradability Biodegradability Result : Readily biodegradable.</p> <p>12.3. Bioaccumulative potential</p> <p>12.4. Mobility in soil</p> <p>12.5. Results of PBT and vPvB assessment Result : Non-classified vPvB substance, Non-classified PBT substance</p> <p>12.6. Other adverse effects Additional ecological information Result : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.</p> |
| Citrus Terpenes | <p>Ecotoxicity The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.</p> <p>12.1. Toxicity Acute Fish Toxicity Very toxic to aquatic organisms. EC 50, 48 Hrs, Daphnia, mg/l < 1.0</p> <p>12.2. Persistence and degradability Degradability The product is not readily biodegradable.</p> <p>12.3. Bioaccumulative potential Bioaccumulative potential No data available on bioaccumulation.</p> <p>12.4. Mobility in soil Mobility: The product is insoluble in water.</p> <p>12.5. Results of PBT and vPvB assessment Not Classified as PBT/vPvB by current EU criteria.</p> <p>12.6. Other adverse effects Not determined.</p> |
| Sodium Alkyl Sulphate | <p>Toxicity Aquatic toxicity: No further relevant information available.</p> <p>Persistence and degradability Other information: The product is readily biodegradable.</p> <p>Additional ecological information: General notes: Do not allow product to reach ground water, water course or sewage system.</p> <p>Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.</p> <p>Other adverse effects No further relevant information available.</p> |
| 2-bromo-2-nitropropanol-1,3-diol | <p>Ecotoxicity: Not available. BOD5 and COD: Not available.</p> <p>Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are more toxic. Special Remarks on the Products of Biodegradation: Not available.</p> |

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.

14. TRANSPORT INFORMATION

- 14.1 UN number:** N/A
14.2 Shipping Name: Teepol Citrus Cleaner Concentrate
14.3 Transport hazard class: No ADR/ADN/IMDG/RID codes
14.4 Packing group N/A
14.5 Environmental hazard No ADR/ADN/IMDG/RID codes

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

15. REGULATORY INFORMATION

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

Uk Regulatory References

Chemicals (Hazard Information Packaging) Regulations.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

CESIO Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

CHIP for everyone HSG(108).

EU Legislation

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 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.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

15.2 Chemical safety assessment

No information

16. OTHER INFORMATION

Full text of H-Statements referred to under section 3

- H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.

Directions:

For Floors, Walls and Heavily Soiled/Greasy Surfaces: 60-120g per 5L of Hot Water. Remove gross soiling by scraping/brushing surface initially and then brush in the solution. Leave in contact for as long as possible before thoroughly rinsing off with clean water. Paint Cleaning: For routine cleaning of painted surfaces use 7-15g per 5L of water. Steam Cleaning: 30-60g per 5L of water in the detergent solution tank. Carpet Cleaning / Prespotting: (Test for colour fastness) Dilute 30-60g per 5L of 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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