

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	Machine Rinse Aid	12 x 500ml	0127

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

Rinse aid for use with automatic glass & dish washers.

1.3 Details of the supplier of the safety data sheet

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

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-phrases)

(NC) Not Classified.

S-phrases)

(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 [%]
Isopropanol	603-117-00-0	67-63-0	200-661-7	<5
Classification (CHIP)	Hazard Class (CLP)	Hazard Category (CLP)	Hazard Statements	
F; R11 Xi; R36 R67	Serious eye damage/irritation	Eye. Irrit. 2	H319	
F; R11 Xi; R36 R67	Flammable liquid	Flam. Liq. 2	H225	

<u>Substance Name</u>	<u>Index-No.</u>	<u>CAS-No.</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Citric Acid	01-2119457026-4	5949-29-1	201-069-1	<5
<u>Classification (CHIP)</u>	<u>Hazard Class (CLP)</u>	<u>Hazard Category (CLP)</u>	<u>Hazard Statements</u>	
Xi; R36/37/38	Serious eye damage/irritation	Eye. Irrit. 2	H319	

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.

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 to 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

(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.

9. PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance / Odour	Blue liquid with propanol odour. (Method: QP22)
pH (10% soln.)	<2 (Method: QP03)
Melting/freezing point:	0°C
Flammable / Flash point	Not Flammable
Relative density	1.01 g/cm ³ @ 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
Isopropanol	<p>Acute Toxicity (Oral LD50) > 2000 mg/kg Rat</p> <p>Acute Toxicity (Dermal LD50) > 2000 mg/kg Rabbit</p> <p>Acute Toxicity (Inhalation LC50) > 20 mg/l (vapours) Rat 4 hours</p> <p>Serious Eye Damage/Irritation - Irritating</p> <p>Not sensitizing</p> <p>Not a carcinogen</p> <p>General Information</p> <p>Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.</p> <p>Inhalation</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Eye Contact - Extreme irritation of eyes and mucous membranes, including burning and tearing. Risk of corneal damage.</p> <p>Route of entry - Inhalation. Ingestion. Skin and/or eye contact.</p> <p>Target Organs - Central nervous system Eyes Gastro-intestinal tract Skin</p> <p>Medical Symptoms - Extreme irritation of eyes and mucous membranes, including burning and tearing. Visual disturbances, incl. Blurred vision. Nausea, vomiting. Headache.</p> <p>Medical Considerations - Splash in eye requires examination by eye specialist.</p>

Citric Acid

Toxicity values:

ORAL RBT LD50 11700 mg/kg

ORAL MUS LD50 5040 mg/kg

Relevant hazards for substance:

Serious eye damage/irritation OPT Based on test data

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact. Repeated or long exposure can cause reddening, burning and blisters.

Eye contact: There may be irritation and redness. The eyes may water profusely. May cause mechanical irritation to the eyes.

Ingestion: May cause mild irritation of the gastrointestinal tract if large quantities are ingested.

Nausea and stomach pain may occur. There may be vomiting.

Inhalation: May cause irritation of the mucous membranes and respiratory system.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Not applicable.

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
Isopropanol	<p>Ecotoxicity:</p> <p>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</p> <p>Acute Toxicity - Fish LC50 48 hours > 100 mg/l <i>Leuciscusidus</i> (Golden orfe)</p> <p>Acute Toxicity Aquatic Invertebrates EC50 48 hours > 100mg/l <i>Daphnia magna</i></p> <p>Acute Toxicity - Aquatic Plants EC50 72 hours > 100 mg/l <i>Scenedesmus subspicatus</i></p> <p>12.2. Persistence and degradability</p> <p>Degradability:</p> <p>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</p> <p>Dominant loss process - biodegradation</p> <p>Chemical Oxygen Demand 2.2 g O₂/g substance</p> <p>12.3. Bioaccumulative potential</p> <p>Bioaccumulative Potential:</p> <p>Does not bioaccumulate significantly</p> <p>Partition Coefficient 0.05</p> <p>12.4. Mobility in soil</p> <p>Mobility:</p> <p>The product is water soluble and may spread in water systems. Large volumes may penetrate soil and could contaminate groundwater</p> <p>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</p> <p>This product does not contain any PBT or vPvB Substances.</p> <p>12.6. Other adverse effects</p> <p>The product contains volatile, organic compounds which have a photochemical ozone creation potential.</p>

Citric Acid

Ecotoxicity values:

GOLDFISH 96H LC50 440 - 706 mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

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: Negligible ecotoxicity. Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided. Large doses causes high/low pH which may affect effluent and sewage treatment processes. Discharge of large quantities may kill fish and other aquatic life due to increase/decrease in pH.

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 Machine Rinse Aid

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

- H319 Causes serious eye irritation.
H225 Highly flammable liquid and vapour.

Directions:

Always follow the machine manufacturer's instructions.
Pour Machine Rinse Aid into the reservoir on the dishwasher.
Refill the rinse aid dispenser regularly.

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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