

# 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	Alcohol Hand Sanitizer	6 x 1L Cartridg	0162
Teepol	Alcohol Hand Sanitizer	10 x 500ml	0163
Teepol	Alcohol Hand Sanitizer	500ml	0163s
Teepol	Alcohol Hand Sanitizer	4 x 5L	0164
Teepol	Alcohol Hand Sanitizer	5L	0164s
Teepol	Alcohol Hand Sanitizer	40 x 50ml	0166
Teepol	Alcohol Hand Sanitizer	50ml	0166S

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

Quick drying hand sanitizer for general use in hospitals and food preparation areas.

### 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

Acute. Tox. 4 - Oral, H302

### 2.2 Label elements

Signal Word: *Hazard Pictograms:*

Flammable

*Hazard Statements:*

H302 Harmful if swallowed.

*Precautionary Statements:*

#### Prevention

P211 Do not spray on an open flame or other ignition source.

P305 + P351 + P338 + P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

P301 + P330 + P331 + P313 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get medical advice/attention.

## 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

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
<b>Ethanol</b>	<b>603-002-00-5</b>	<b>64-17-5</b>	<b>200-578-6</b>	<b>&gt;30</b>
<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.

#### 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:** Water spray, fog or mist. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry powder Dry chemicals, sand, dolomite etc.

**5.1 Unsuitable extinguishing media:** Water jet

### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3 Advice fo Fire Fighters

Self contained breathing apparatus and full protective clothing must be worn in case of 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

(Ethanol) OES: 1000ppm, 1920 mg/m<sup>3</sup>, 8 hrs TWA; (Tertiary Butanol) OES: 100ppm, 308mg/M<sup>3</sup>, 8 hrs TWA: 150ppm, 462mg/M<sup>3</sup> 15min STEL.

### 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** Clear liquid gel with ethanol odour. (Method: QP22)

**pH (10% soln.)** 7 - 7.5 (Method: QP03)

**Melting/freezing point:** 0°C

**Flammable / Flash point** 24°C

**Relative density** 0.9 g/cm<sup>3</sup> @ 20°C (Method: QP07)

**Solubility:** Soluble/dispersible in water

**Viscosity:** Pourable gel @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:** Reaction with: Acids and oxidising agents.

**10.2 Chemical Stability:** Stable under normal temperature conditions and recommended use.

**10.3 Hazardous Reactions:** Reacts with strong oxidising agents.

**10.6 Hazardous Decomposition Products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**10.4 Conditions to Avoid:** Avoid heat, flames and other sources of ignition. Avoid exposing to heat and contact with strong oxidising substances. Avoid contact with acids.

**10.5 Incompatible Materials:** Strong oxidising substances. Strong acids. Alkali metals.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Substance	Toxicity
Ethanol	Toxicological information on ingredients. ETHANOL (CAS: 64-17-5) Acute toxicity: Acute Toxicity (Oral LD50) > 2000 mg/kg Rat Acute Toxicity (Dermal LD50) > 2000 mg/kg Rabbit Acute Toxicity (Inhalation LC50) > 20 mg/l (vapours) Mouse Skin Corrosion/Irritation: Not irritating. Serious eye damage/irritation:

Slightly Irritating.

Respiratory or skin sensitisation:

Skin sensitisation

Guinea pig maximization test (GPMT): Guinea Pig

Not Sensitising.

Carcinogenicity:

Not a carcinogen

Aspiration hazard:

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

Swallowing concentrated chemical may cause severe internal injury. Ingestion of large amounts may cause unconsciousness. May cause

nausea, headache, dizziness and intoxication.

Skin contact

Prolonged contact may cause dryness of the skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

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

History of alcoholism.

Specific effects

Ingestion over a long period of time may cause damage to the liver and nervous system.

TERTIARY BUTANOL (CAS: 75-65-0)

Acute toxicity:

Acute Toxicity (Oral LD50)

3100 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

Acute Toxicity (Inhalation LC50)

> 31 mg/l (vapours) Rat 4 hours

Harmful by inhalation

Skin Corrosion/Irritation:

Slightly irritating.

Serious eye damage/irritation:

Irritating

Respiratory or skin sensitisation:

Not Sensitising.

Carcinogenicity:

Not a carcinogen

Aspiration hazard:

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.

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

Liquid may irritate skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing. May cause chemical eye burns. 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.

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
Ethanol	<p>Ecological information on ingredients.</p> <p>ETHANOL (CAS: 64-17-5)</p> <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>TERTIARY BUTANOL (CAS: 75-65-0)</p> <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>.</p> <p>ETHANOL (CAS: 64-17-5)</p> <p>Acute Toxicity - Fish</p> <p>LC50 48 hours &gt; 100 mg/l <i>Leuciscus idus</i> (Golden orfe)</p> <p>Acute Toxicity - Aquatic Invertebrates</p> <p>EC50 48 hours &gt; 100 mg/l <i>Daphnia magna</i></p> <p>Acute Toxicity - Aquatic Plants</p> <p>EC50 48 hours &gt; 100 mg/l <i>Selenastrum capricornutum</i></p> <p>TERTIARY BUTANOL (CAS: 75-65-0)</p> <p>Acute Toxicity - Fish</p> <p>LC50 96 hours &gt; 856 mg/l</p> <p>Acute Toxicity - Aquatic Invertebrates</p> <p>EC50 48 hours &gt; 933 mg/l <i>Daphnia magna</i></p> <p>Acute Toxicity - Aquatic Plants</p> <p>EC50 72 hours &gt; 1000 mg/l</p> <p>12.2. Persistence and degradability</p> <p>Ecological information on ingredients.</p> <p>ETHANOL (CAS: 64-17-5)</p>

Ethanol

Degradability

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

TERTIARY BUTANOL (CAS: 75-65-0)

Degradability

Readily biodegradable meeting the 10 day window criterion. Oxidises rapidly by photochemical reactions in air. Integrated environmental

half-life expected to be 1-<10 days Dominant loss process - biodegradation

12.3. Bioaccumulative potential

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

Bioaccumulative potential

Does not bioaccumulate significantly

Partition coefficient - 0.31

TERTIARY BUTANOL (CAS: 75-65-0)

Bioaccumulative potential

Does not bioaccumulate significantly

Partition coefficient 0.317

12.4. Mobility in soil

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is water soluble and may spread in water systems. This product will dissolve rapidly in water Large volumes may penetrate soil and could contaminate groundwater

TERTIARY BUTANOL (CAS: 75-65-0)

Mobility:

The product is partly soluble in water. May spread in the aquatic environment. The product spreads over the surface of the water and will slowly evaporate. Large volumes may penetrate soil and could contaminate groundwater If product enters soil it will be mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

This product does not contain any PBT or vPvB substances.

TERTIARY BUTANOL (CAS: 75-65-0)

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

The product contains volatile, organic compounds which have a photochemical ozone creation potential.

TERTIARY BUTANOL (CAS: 75-65-0)

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:** 1987

**14.2 Shipping Name:** Teepol Alcohol Hand Sanitizer

**14.3 Transport hazard class** ALCOHOLS, N.O.S.

**14.4 Packing group:** III

**14.5 Environmental Hazards:** ALCOHOLS, 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

H319 Causes serious eye irritation.

H225 Highly flammable liquid and vapour.

Passes EN 1276 for MRSA (MGS Certificate No. 8275). Contains 62.5% Ethanol. PCS No. 97238

#### *Directions:*

Massage a small amount into clean dry hands and allow to dry.

CERTIFIED AGAINST MRSA

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