

SAFETY DATA SHEET**Hand Sanitiser Gel**

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name** Hand Sanitiser Gel**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** PT1 Human Hygiene Biocidal Product For full details regarding recommended uses please refer to the product label.**1.3. Details of the supplier of the safety data sheet****Supplier** Tooth Towers
Lagonda Road
Cowpen Lane Industrial Estate
Billingham
TS23 4JA
(01642) 690062
info@cosmolab.co.uk**1.4. Emergency telephone number****Emergency telephone** National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)****Physical hazards** Flam. Liq. 2 - H225**Health hazards** Eye Irrit. 2 - H319**Environmental hazards** Not Classified**2.2. Label elements****Hazard pictograms****Signal word** Danger**Hazard statements** H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

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Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/ attention.
 P404 Store in a closed container.
 P501 Dispose of contents/ container in accordance with local regulations.

Supplemental label information BPR001 Use biocides safely. Always read the label and product information before use.

Supplementary precautionary statements P233 Keep container tightly closed.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ISOPREOPYL ALCOHOL	60-100%
CAS number: 67-63-0	EC number: 200-661-7
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	

Other ingredients: Alcohol, Aqua, Glycerin, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Triethanolamine,

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion DO NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Skin contact Not relevant.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation No specific symptoms known.

Ingestion May cause nausea, headache, dizziness and intoxication.

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Skin contact	None known.
Eye contact	This product is moderately irritating.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Highly flammable liquid and vapour. May form explosive mixture with air at very high concentration.

Hazardous combustion Products Oxides of carbon.

5.3. Advice for firefighters

Protective actions during Firefighting Fight fire from safe distance or protected location.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Keep away from heat, sparks and open flame. Avoid contact with eyes. Avoid contact with eyes. Provide adequate general and local exhaust ventilation. Provide adequate general and local exhaust ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Store at temperatures between 0°C and 30°C. Take precautionary measures against static discharges.

Storage class Flammable liquid storage.

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7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

GLYCERIN

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

ISOPROPYL ALCOHOL (CAS: 67-63-0)

DNEL

Professional - Inhalation; local effects: 1900 mg/m³
 Professional - Dermal; Long term systemic effects: 343 mg/kg/day
 Professional - Inhalation; Long term systemic effects: 950 mg/m³
 Consumer - Inhalation; local effects: 950 mg/m³
 Consumer - Dermal; Long term systemic effects: 206 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 114 mg/m³
 Consumer - Oral; Long term systemic effects: 87 mg/kg/day

PNEC

- marine water; 0.79 mg/l
 - Fresh water; 0.96 mg/l
 - Intermittent release; 2.75 mg/l
 - STP; 580 mg/l
 - Sediment (Freshwater); 3.46 mg/kg
 - Sediment (Marinewater); 2.9 mg/l
 - Soil; 0.63 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Not relevant.

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Eye/face protection	Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Not relevant.
Respiratory protection	Not relevant.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Colourless to very pale yellow.
Odour	Alcoholic.
Odour threshold pH	Not determined.
Melting point	pH (concentrated solution): 5-7.5
Initial boiling point and range	<20°C
Flash point	80 -90°C @ 15.3°C Pensky-Martens closed cup.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	300 hPa @ 55°C
Solubility(ies)	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	475 C°C
Decomposition Temperature	Not determined.
Viscosity	3000-10000 mPa s @ 20°C
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Chemical There are no known reactivity hazards associated with this product.

10.2. stability

Stability No particular stability concerns.

10.3. reactions

Possibility of hazardous reactions

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Possibility of hazardous Reactions Not known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

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Aspiration hazard	Based on available data the classification criteria are not met.
General information	No specific health hazards known.
Inhalation	No specific health hazards known.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Irritating to eyes. Symptoms following overexposure may include the following: Redness, Pain.

Toxicological information on ingredients.

ISOPROPYL ALCOHOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 10,470.0

Species Rat

ATE oral (mg/kg) 10,470.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 20,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 117.0

Species Rat

ATE inhalation (vapours mg/l) 117.0

Skin corrosion/irritation

Animal data Oedema score: Very slight oedema - barely perceptible (1).

SECTION 12: Ecological information

Ecotoxicity The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

12.1. Toxicity

Toxicity The product is not expected to be toxic to aquatic organisms.

Ecological information on ingredients.

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ISOPROPYL ALCOHOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 15300 mg/l, Pimephales promelas (Fat-head Minnow)
LC₅₀, 96 hours: mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, : 858 24H mg/l, Marinewater invertebrates
EC₅₀, > 48 hours: 10000 mg/l, Daphnia magna
EC₅₀, 48 hours: mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 275 mg/l, Freshwater algae
IC₅₀, 72 hours: 5000 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	When handling waste, the safety precautions applying to handling of the product should be considered.
Disposal methods	This material and its container must be disposed of as hazardous waste. Dispose of waste product or used containers in accordance with local regulations Reuse or recycle products wherever possible.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1170
UN No. (IMDG)	1170
UN No. (ICAO)	1170
UN No. (ADN)	1170

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ISOPROPYL ALCOHOL SOLUTION
Proper shipping name (IMDG)	ISOPROPYL ALCOHOL SOLUTION
Proper shipping name (ICAO)	ISOPROPYL ALCOHOL SOLUTION
Proper shipping name (ADN)	ISOPROPYL ALCOHOL SOLUTION

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

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Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	2
Emergency Action Code	•2YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC

Code SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	<p>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) (as amended).</p> <p>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 (as amended).</p> <p>Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.</p> <p>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).</p> <p>REGULATION (EU) No 528/2012 (as amended) concerning the making available on the market and use of biocidal products.</p>
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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Use biocides safely. Always read the label and product information before use.

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Key literature references and sources for data	Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.
Issue date	24/3/2020
Version No	1
Supersedes	N/A
Hazard statements in full	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
Notes for Hazard Statements in Full	The full text for Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.