

HANDSAN

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Precautionary statements

- P102 Keep out of reach of children.
- P261 Avoid breathing vapours.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P301 IF SWALLOWED:
- P313 Get medical advice/attention.
- 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.
- P370+P378 In case of fire: Use foam, carbon dioxide or dry powder for to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local regulations.

Contains

PROPAN-2-OL

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

| | |
|--|--|
| PROPAN-2-OL | 60-100% |
| CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25-xxxx | |
| Classification | Classification (67/548/EEC or 1999/45/EC) |
| Flam. Liq. 2 - H225 | F;R11 Xi;R36 R67 |
| Eye Irrit. 2 - H319 | |
| STOT SE 3 - H336 | |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Give plenty of water to drink. Get medical attention.

Skin contact

Rinse with water.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Vapours may cause drowsiness and dizziness.

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Ingestion

May cause discomfort if swallowed.

Skin contact

No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.

Eye contact

May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with the following media: Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

May explode when heated or when exposed to flames or sparks.

5.3. Advice for firefighters

Special protective equipment for firefighters

Keep containers cool by spraying with water to reduce explosion risks. 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

Avoid contact with eyes. Avoid inhalation of vapours. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

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

Avoid contact with eyes. Avoid inhalation of vapours. Eliminate all sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

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Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

See Product Information Sheet & Label for detailed use of this product.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Appropriate engineering controls

All handling should only take place in well-ventilated areas.

Eye/face protection

None required if care is taken not to splash in eyes when pouring or using.

Hand protection

Hand protection not required.

Other skin and body protection

None required.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Clear. Colourless.

Odour

Alcoholic.

pH

pH (concentrated solution): 5.5

Melting point

< -10°C

Initial boiling point and range

85 - 90°C @ 760 mm Hg

Flash point

19°C . Measured using test method, PMCC (Pensky-Martens closed cup).

Relative density

0.864 @ 20°C

Solubility(ies)

Soluble in water.

9.2. Other information

Other information

None.

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SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

No particular stability concerns.

10.3. Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5

10.4. 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

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Other health effects

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

SECTION 12: Ecological Information

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

12.2. Persistence and degradability

Persistence and degradability

This product, at use dilutions, is readily broken down in biological effluent treatment plants.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

Not known.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Not known.

SECTION 13: Disposal considerations

HANDSAN**13.1. Waste treatment methods****Disposal methods**

Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Rinse out empty container with water and consign to normal waste.

SECTION 14: Transport information**14.1. UN number**

| | |
|------------------|------|
| UN No. (ADR/RID) | 1219 |
| UN No. (IMDG) | 1219 |
| UN No. (ICAO) | 1219 |

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ISOPROPANOL 70% SOLUTION

Proper shipping name (IMDG) ISOPROPANOL 70% SOLUTION

Proper shipping name (ICAO) ISOPROPANOL 70% SOLUTION

Proper shipping name (ADN) ISOPROPANOL 70% SOLUTION

14.3. Transport hazard class(es)

ADR/RID class Class 3: Flammable liquids.

ADR/RID label 3

IMDG class Class 3: Flammable liquids.

ICAO class/division Class 3: Flammable liquids.

ICAO subsidiary risk

Transport labels

**14.4. Packing group**

| | |
|-----------------------|----|
| ADR/RID packing group | II |
| IMDG packing group | II |
| ICAO packing group | II |

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code

Hazard Identification Number (ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant. for a packaged product.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Guidance

Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information

Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC. ECHA - C&L Inventory database.

Revision comments

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

| | |
|----------------------|--|
| Revision date | 19/03/2015 |
| Revision | Issue 5 |
| SDS status | The Risk Phrases / Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2. |

Risk phrases in full

R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.