

SAFETY DATA SHEET

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IPA

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

Product name: IPA

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: PROPAN-2-OL >90%
CAS: 67-63-0
EINECS: 200-661-7
[F] R11; [Xi] R36; [-] R67;

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

4. FIRST AID MEASURES (SYMPTOMS)

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.

Ingestion: Nausea and stomach pain may occur. There may be vomiting. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

Inhalation: Drowsiness or mental confusion may occur. There may be loss of consciousness.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash skin thoroughly with water and remove contaminated clothing. Obtain medical attention if symptoms develop.

Eye contact: Rinse immediately with plenty of water for at least 10 minutes and seek medical advice.

Ingestion: Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Carbon dioxide. Alcohol or polymer foam.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Extinguish naked flames. No smoking. Avoid sparks.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using sufficient appropriate absorbent material.

Clean-up procedures: Ensure good ventilation and allow residues to evaporate.

7. HANDLING AND STORAGE

Handling requirements: Avoid contact with eyes and skin. Ensure there is sufficient ventilation of the area. Smoking is forbidden.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area. Propan-2-ol OES 400ppm (980mg/m³) 8h TWA; 500ppm (1225mg/m³) 15min STEL.

Respiratory protection: If OEL(s) listed above are exceeded, respiratory protection may be required.

Hand protection: Use of impervious gloves is recommended.

Eye protection: Wear safety glasses or goggles if risk of splashing.

Skin protection: Protective overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Alcoholic

Solubility in water: Soluble

Boiling point/range°C: 82

Flammability limits %: lower: 2.0

upper: 12.0

Flash point°C: 12

Relative density: 0.786

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Hot surfaces. Sparks. Naked flames.

Materials to avoid: Strong acids. Strong bases. Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Effects of exposure Exposure to high levels of vapour may cause drowsiness, dizziness, nausea,

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headaches, vomiting. Prolonged contact with skin may cause irritation leading to dermatitis in extreme cases. May cause eye irritation.

Ingredient 1: PROPAN-2-OL
ORL RAT LD50 5045mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Persistence and degradability: Biodegradable.

Other adverse effects: Should not be discharged directly in concentrated form to water courses.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Transfer to waste solvent drum for collection by specialist disposal company.

Disposal of packaging: Clean with water. Retain for recovery.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1219

ADR Class: 3

Hazard ID no: 33

Labelling: 3

Shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

IMDG / IMO

UN no: 1219

Class: 3

Packing group: II

EmS: F-E,S-D

Marine pollutant: NO

Labelling: 3

IATA / ICAO

UN no: 1219

Class: 3

Packing group: II

Packing instructions: 307

Quantity: 60 L

Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.

Irritant.

Risk phrases: R11: Highly flammable.

R36: Irritating to eyes.



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R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S16: Keep away from sources of ignition - No smoking.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Additional information: Always use in accordance with manufacturer's directions.

Risk phrases used in s.2: R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.