
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Isopropyl Alcohol - IPA
- Product Part Number: IPA

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

- Use of the substance/mixture:

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: HD Sharman LTD
- Address of Supplier: High Peak Works, Chapel-en-le-Frith SK23 0HW
- Telephone: 01298 812371
- Email: info@hdsharman.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1204 573 736
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3

2.2 Label elements



GHS02



GHS07

- Signal Word: Danger
- Hazard statements
 - H225 - Highly flammable liquid and vapour.
 - H319 - Causes serious eye irritation.
 - EUH066 - Repeated exposure may cause skin dryness or cracking.
 - EUH044 - Risk of explosion if heated under confinement.
- Precautionary statements
 - P403+P235 - Store in a well-ventilated place. Keep cool.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - P233 - Keep container tightly closed.
 - P264 - Wash
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P243 - Take action to prevent static discharges.
 - P240 - Ground and bond container and receiving equipment.

SECTION 2: Hazards identification (....)

P241 - Use explosion-proof [electrical/ventilating/lighting/
P242 - Use non-sparking tools.

- Symbols

2.3 Other hazards

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- propan-2-ol; isopropyl alcohol; isopropanol
CAS Number: 67-63-0
EC Number: 200-661-7
Concentration: 90-100%
Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3
Symbols: GHS02;GHS07
H Statements: H225;H336;H319
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SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
- Contact with skin
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- Ingestion
Get medical advice/attention if you feel unwell.
- Inhalation
Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

4.2 Most important symptoms and effects, both acute and delayed

- Headache
Disziness
Nausea

4.3 Indication of any immediate medical attention and special treatment needed

- Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration may cause pulmonary oedema and pneumonitis. See Section 11 for more detailed information on health effects and symptoms.
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SECTION 5: Firefighting measures5.1 Extinguishing media

SECTION 5: Firefighting measures (....)

- Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

- Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Flash back possible over considerable distance.
- In combustion emits toxic fumes.

5.3 Advice for firefighters

- In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment. Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise - with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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SECTION 6: Accidental release measures

Vapours may ignite

6.1 Personal precautions, protective equipment and emergency procedures

- Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.
- Ensure adequate ventilation
- Use personal protective equipment as required.

6.2 Environmental precautions

- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

- See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep cool.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Oral DNEL Long-term - Systemic (consumer) 26 mg/kg bw/day
Dermal DNEL Long-term - Systemic (worker) 888 mg/kg bw/day

SECTION 8: Exposure controls/personal protection (....)

DNEL Long-term - Systemic (consumer) 319 mg/kg bw/day
Inhalative DNEL Long-term - Systemic (worker) 500 mg/m³
DNEL Long-term - Systemic (consumer) 89 mg/m³

PNEC Fresh water 140.9 mg/l (/)
PNEC Marine water 140.9 mg/l (/)
PNEC Intermittent releases 140.9 mg/l (/)
PNEC Fresh water sediment 552 mg/kg (/)
PNEC Marine sediment 552 mg/kg (/)
PNEC Soil 28 mg/kg (/)
PNEC STP 2251 mg/l (/)

8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Clear Liquid
- Odour: Alcohol-like
- Boiling Point/Range: 82-83 °C
- Flashpoint: 10°C
- Extremely Flammable
- Viscosity:
- Physical state: liquid

9.2 Other information

SECTION 10: Stability and reactivity**10.1 Reactivity**

- Considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Incompatible materials

- Strong oxidizing agents. Strong acids.

10.5 Hazardous decomposition products

- Carbon oxides may be formed
- Decomposition products may include toxic fumes

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Oral LD50 5840 mg/kg (rat)
Dermal LD50 >2000 mg/kg (rabbit)

SECTION 11: Toxicological information (....)

Primary irritant effect:

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation

Causes serious eye irritation.

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- Germ cell mutagenicity Based on available data, the classification criteria are not met.

- Carcinogenicity Based on available data, the classification criteria are not met.

- Reproductive toxicity Based on available data, the classification criteria are not met.

- STOT-single exposure

May cause drowsiness or dizziness.

- STOT-repeated exposure Based on available data, the classification criteria are not met.

- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

- propan-2-ol; isopropyl alcohol; isopropanol
 - IC₅₀ (algae): >100 mg/l (72 hr)
 - EC₅₀ (daphnia): 9714 mg/l (48 hr)
 - LC₅₀ (fish): 9640 mg/l (96 hr)

12.2 Persistence and degradability

- Readily biodegradable

12.3 Bioaccumulative potential

- No bioaccumulation potential.

12.4 Mobility in soil

- partly miscible with water

12.5 Results of PBT and vPvB assessment

- This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

- Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration
 - Do not flush spilt material into any public water system
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
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SECTION 14: Transport information

Flammable Liquid

SECTION 14: Transport information (....)

14.1 UN number or ID number

- UN No.: 1219

14.2 UN proper shipping name

- Proper Shipping Name: ISOPROPANOL (ISOPROPYLALCOHOL)

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- Presents no hazard to the environment

14.6 Special precautions for user

- No special precautions are required for this product

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable
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SECTION 15: Regulatory information

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

15.2 Chemical safety assessment

- A REACH chemical safety assessment has been carried out
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or 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.

--- end of safety datasheet ---
