



Safety Data Sheet

Iso-propylol

Version 1.08

Revision Date 15.02.2012

1. Identification of the substance/mixture and of the company/undertaking

| | |
|-------------------|---|
| Trade name | Iso-propylol |
| Synonyms | Iso-propylol |
| Use | Solvent, For industrial use only. |
| Company | Sasol Germany GmbH Anckelmannsplatz 1 20537 Hamburg |

Information (Product safety)

E-mail address msds.info@sasol.com

| | | |
|-----------------------------------|---------------------------------------|---------------------|
| Emergency telephone number | Europe, Israel, Africa, Americas | +44 (0)1235 239 670 |
| | Middle East, Arabic African countries | +44 (0)1235 239 671 |
| | Asia Pacific | +65 3158 1074 |
| | China | +86 10 5100 3039 |
| | South Africa | +27 (0)17 610 4444 |
| | Australia | +61 2 9032 0460 |

2. Hazards identification

Identification of the risks

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

3. Composition/information on ingredients

Preparation on the base:

Propan-2-ol; isopropyl alcohol; isopropanol

Contents: 87.013 %W/W

CAS-No. 67-63-0

Symbol(s) F, Xi

Index-No. 603-117-00-0

R-phrases(s) -R11 -R36 -R67

EC-No. 200-661-7



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Ethanol; Ethyl alcohol

Contents: 12.771 %W/W

CAS-No. 64-17-5

Symbol(s) F

Index-No. 603-002-00-5

R-phrase(s) -R11

EC-No. 200-578-6

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. First aid measures

| | |
|-----------------------|--|
| General advice | Victim to lie down in the recovery position, cover and keep him warm. |
| Inhalation | Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician. |
| Skin contact | Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses. Call a physician immediately. |
| Ingestion | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention. |

5. Firefighting measures

| | |
|--|--|
| Suitable extinguishing media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Specific hazards during firefighting | Flash back possible over considerable distance. |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus and protective suit. |
| Further information | Use water spray to cool unopened containers. |

6. Accidental release measures

| | |
|----------------------------------|---|
| Personal precautions | Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist. |
| Environmental precautions | Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Soak up with inert absorbent material and dispose of as hazardous waste. |



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7. Handling and storage

Handling

Safe handling advice Do not breathe vapours or spray mist. Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment.

Advice on protection against fire and explosion Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.

Storage

Requirements for storage areas and containers Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Gloves suitable for permanent contact:
Material: butyl-rubber
Break through time: 4 h
Material thickness: 0.5 mm

Eye protection Safety glasses with side-shields

Skin and body protection Protective suit, Safety shoes

Hygiene measures Wash hands before breaks and immediately after handling the product.

Protective measures Wear suitable protective equipment.



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9. Physical and chemical properties

| | |
|-------------------------------------|--|
| Form | Liquid |
| Colour | Colourless |
| Odour | Aromatic pleasant acetone-like |
| pH | Neutral |
| Melting point/range | -88.5 °C |
| Boiling point/boiling range | 82.1 - 83 °C |
| Flash point | 14 °C; Closed cup |
| Autoignition temperature | 363 °C |
| Lower explosion limit | 3.3 %(V) |
| Upper explosion limit | 19 %(V) |
| Density | 0.785 g/cm ₃ ; 20 °C |
| Water solubility | Completely miscible, Completely soluble |
| Solubility in other solvents | Medium: Diethylether; Completely soluble |
| Viscosity, dynamic | 2.4 mPa.s |
| Relative vapour density | 2.08 |

10. Stability and reactivity

| | |
|---|-----------------------------------|
| Materials to avoid | Oxidizing agents, Acids and bases |
| Hazardous decomposition products | Carbon oxides |

11. Toxicological information

| | |
|----------------------------------|--|
| Acute oral toxicity | Isopropyl alcohol: LD50 rat: 5,045 mg/kg; literature value |
| | Isopropyl alcohol: LD50 rabbit: 6,410 mg/kg; literature value |
| | Ethanol: LD50 rat: 7,060 mg/kg; literature value |
| Acute inhalation toxicity | Isopropyl alcohol: LC50 rat: 16,000 mg/l; literature value; 8 h |
| | Ethanol: LC50 rat: 66,000 mg/l; literature value; 4 h |



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| | |
|------------------------------|--|
| Acute dermal toxicity | Isopropyl alcohol: LD50 rabbit: 12,800 mg/kg; literature value Ethanol: LDLo rabbit: 20,000 mg/kg; literature value |
| Skin irritation | propan-2-ol; isopropyl alcohol; isopropanol: rabbit: Mild skin irritation; (literature value) |
| Eye irritation | propan-2-ol; isopropyl alcohol; isopropanol: rabbit: Moderate eye irritation; ; Causes eye irritation.(literature value) |

12. Ecological information

Ecotoxicity effects

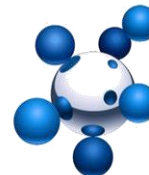
| | |
|-------------------------|---|
| Toxicity to fish | Isopropyl alcohol: LC50 Pimephales promelas: > 6,000 mg/l; 96 h; (literature value) Ethanol: LC50 Pimephales promelas: 15,300 mg/l; 96 h; literature value |
|-------------------------|---|

13. Disposal considerations

| | |
|-------------------------------|---|
| Product | Dispose of in accordance with local regulations. |
| Contaminated packaging | Store containers and offer for recycling of material when in accordance with the local regulations. |

14. Transport information

| | |
|----------------------------|--|
| ADR | UN number: 1987; Class: 3; Packaging group: II; F1; Description of the goods: ALCOHOLS, N.O.S. (Ethanol, iso-propanol) |
| RID | UN number: 1987; Class: 3; Packaging group: II; F1; Description of the goods: ALCOHOLS, N.O.S. (Ethanol, iso-propanol) |
| ADNR | UN number: 1987; Class: 3; Packaging group: II; F1; Description of the goods: ALCOHOLS, N.O.S. (Ethanol, iso-propanol) |
| IMDG | UN number: 1987; Class: 3; EmS: F-E, S-D; Packaging group: II; Description of the goods: ALCOHOLS, N.O.S. (Ethanol, iso-propanol) |
| ICAO/IATA | UN number : 1987; Class: 3; Packaging group: II; Description of the goods: Alcohols, n.o.s. (Ethanol, iso-propanol) |
| Further information | IMO Shipping name: Noxious Liquid,(11), n.o.s.(ISO-PROPYLOL, contains Isopropyl Alcohol), Cat.Z |



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15. Regulatory information

Labelling



Regulatory base

1999/45/EC

Symbol(s)

F: Highly flammable
Xi: Irritant

R-phrases(s)

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

S-phrases(s)

S 9: Keep container in a well-ventilated place.
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.
S33: Take precautionary measures against static discharges.
S60: This material and its container must be disposed of as hazardous waste.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

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



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All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which the product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place as regards health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of the product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

The MSDS was created by: F. SHAI

The MSDS was approved by: M. HUYSER