

Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

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

Product identifier

Trade name Iso-Propylol Technical Grade

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

Use Solvent.

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa Ltd
Address Sasol Place, 50 Katherine Street
 Sandton
 2090
 South Africa

Telephone +27103445000

E-mail address sasolchem.info.sa@sasol.com

Emergency telephone number +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)
 +44(0)1235 239 671 (Middle East, Arabic African countries)
 +65 3158 1074 (Asia Pacific)
 +86 400 120 6011 (China)
 +27 (0)17 610 4444 (South Africa)
 0800 112 890 RSA-Local only
 +61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification	Flammable liquids	Category 2
	Eye irritation	Category 2
	Specific target organ toxicity - single exposure	Category 3

Label elements

REGULATION (EC) No 1272/2008

Hazard pictograms :  

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.



Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

H336 May cause drowsiness or dizziness.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
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 + P317 If eye irritation persists: Get medical advice/ attention.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients

HAZARDOUS INGREDIENTS

Propan-2-ol; isopropyl alcohol; isopropanol

Contents: ≥ 40.00 %W/W

CAS-No. 67-63-0

Index-No. 603-117-00-0

EC-No. 200-661-7

Hazard statements H225 H319 H336

Ethanol

Contents: ≤ 60.00 %W/W

CAS-No. 64-17-5

Index-No. 603-002-00-5

EC-No. 200-578-6

Hazard statements H225

Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

SECTION 4. First aid measures

Description of necessary first-aid measures

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.
Most important symptoms/effects, acute and delayed	

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Do NOT use water jet.
Special hazards arising from the substance or mixture	Flash back possible over considerable distance.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions	Use personal protective equipment. Do not breathe vapours or spray mist. Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Use non-sparking tools. Shut off all sources of ignition.
Environmental precautions	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). The material taken up must be disposed of in accordance with regulations.
Reference to other sections	Refer to section 8 and 13

SECTION 7. Handling and storage

Safe handling advice	Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Provide
-----------------------------	--

Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

sufficient air exchange and/or exhaust in work rooms. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations.

Advice on protection against fire and explosion Use explosion-proof equipment. Provide sufficient air exchange and/or exhaust in work rooms. Keep away from sources of ignition - No smoking.

Requirements for storage areas and containers Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

Advice on common storage Keep containers tightly closed in a cool, well-ventilated place.

Storage classification according to VCI (D): container material 3; Flammable liquids
Suitable materials: Stainless steel
Unsuitable materials: Aluminium.

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
ISOPROPYL ALCOHOL	TWA	980 mg/m ³	1995	South Africa RELs
PROPAN-2-OL	TWA	400 ppm	1995	South Africa RELs
PROPAN-2-OL	STEL	1,225 mg/m ³	1995	South Africa RELs
	STEL	500 ppm	1995	South Africa RELs
ETHYL ALCOHOL	TWA	1,900 mg/m ³	1995	South Africa RELs
ETHANOL	TWA	1,000 ppm	1995	South Africa RELs

Exposure controls

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, fluoro carbon rubber - FKM, polychloroprene
Material thickness: 0.5 mm
Unsuitable gloves
Material: natural rubber/natural latex, Polyvinylchloride
Eye protection Safety glasses with side-shields.
Skin and body protection Protective suit. Safety shoes.

Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

Hygiene measures

Wash hands before breaks and immediately after handling the product.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	Liquid
State of matter	Liquid; at 20 °C; 1,013 hPa
Colour	Colourless
Odour	Characteristic
Odour Threshold	No data available.
pH	Not applicable.
Melting point/range	-88.5 °C; (literature value)
Boiling point/boiling range	77 - 81 °C
Flash point	11 °C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto ignition temperature	No data available.
Lower explosion limit	No data available.
Upper explosion limit	No data available.
Vapour pressure	No data available.
Relative vapour density	No data available.
Density	0.79 g/cm ³ ; 20 °C
Water solubility	Completely soluble
Partition coefficient: n-octanol/water	No data available.
Viscosity, kinematic	1.9 - 2.1 mm ² /s

SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Extremes of temperature and direct sunlight. Heat, flames and sparks.
Materials to avoid	Strong oxidizing agents. Incompatible with acids. Halogenated compounds.
Hazardous decomposition products	No decomposition if stored normally.

SECTION 11. Toxicological information

Acute oral toxicity	Propan-2-ol; isopropyl alcohol; isopropanol: LD50 Rat: > 5,000 mg/kg; OECD Test Guideline 401; (literature value) Based on available data, the classification criteria are not met.
Acute oral toxicity	Ethanol: LD50 Rat: > 5,000 mg/kg; OECD Test Guideline 401; GLP: noCentral nervous system depression ; (literature value) Based on available data, the classification criteria are not met.
Acute inhalation toxicity	Propan-2-ol; isopropyl alcohol; isopropanol: LC50 Rat: 6 h; vapour; > 10000 ppm; OECD Test Guideline 403; Central nervous system; Drowsiness(literature value), Based on

Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

Acute inhalation toxicity	available data, the classification criteria are not met. Ethanol: LC50 Rat: 6 h; vapour; > 20 mg/l; OECD Test Guideline 403; Central nervous system; Drowsiness(literature value), Based on available data, the classification criteria are not met.
Skin irritation	Propan-2-ol; isopropyl alcohol; isopropanol: Rabbit: Not irritating; (literature value)
Sensitisation	Ethanol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406; (literature value)
Sensitisation	Propan-2-ol; isopropyl alcohol; isopropanol: Buehler Test; Guinea pig: Not sensitizing; (literature value)
Mutagenicity	Ethanol: In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects;
Mutagenicity	Propan-2-ol; isopropyl alcohol; isopropanol: In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects;

SECTION 12. Ecological information

Toxicity to fish	Ethanol: static test; Leuciscus idus; 48 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to fish	Propan-2-ol; isopropyl alcohol; isopropanol: static test; Leuciscus idus melanotus; 48 h; LC50; > 100 mg/l; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Propan-2-ol; isopropyl alcohol; isopropanol: static test; Daphnia magna (Water flea); 48 h; EC50; > 100 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Ethanol: static test; Daphnia magna (Water flea); 24 h; EC50; > 100 mg/l(literature value)
Toxicity to algae	Propan-2-ol; isopropyl alcohol; isopropanol: static test; Scenedesmus subspicatus72 h; EC50; > 100 mg/l; (literature value)
Toxicity to algae	Ethanol: static test; Chlorella pyrenoidosaEC50; > 100 mg/l; OECD Test Guideline 201; (literature value)
Toxicity to bacteria	Ethanol: Pseudomonas putida; 16 h; 6,500 mg/l; Toxicity to bacteria
Biodegradability	Propan-2-ol; isopropyl alcohol; isopropanol: aerobic; activated sludge; 53 %; 5 d; Readily biodegradable.; (literature value)
Biodegradability	Ethanol: aerobic; > 70 %; 5 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
Bioaccumulation	Propan-2-ol; isopropyl alcohol; isopropanol: No bioaccumulation is to be expected (log Pow <= 4).
Mobility in soil	No data available.
Results of PBT and vPvB assessment	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very

Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

Other adverse effects persistent and very bioaccumulating (vPvB).
No data available.

Chemical Oxygen Demand (COD) Ethanol:
ca.1,700 mg/g; Directive 84/449/EEC, C.9; GLP: no;

SECTION 13. Disposal considerations

Product Disposal should be in accordance with local, regional and national legislations.

Packaging Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

DG Pictogram



ADR

UN number: 1987

Class: 3

Packaging group: II; F1;

Proper shipping name: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol)

RID

UN number: 1987

Class: 3

Packaging group: II; F1

Proper shipping name: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol)

ADNR

UN number: 1987

Class: 3

Packaging group: II; F1

Proper shipping name: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol)

IMDG

UN number: 1987

Class: 3

EmS: F-E, S-D

Packaging group: II

Proper shipping name: ALCOHOLS, N.O.S.
(Ethanol, iso-propanol)

Marine pollutant Not a Marine Pollutant

ICAO/IATA



Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

UN number : 1987
Class: 3
Packaging group: II
Proper shipping name: ALCOHOLS,N.O.S.
(Ethanol, iso-propanol)

SECTION 15. Regulatory information

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

Inv. of Exist. Chem. Substances in China	All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
Canadian Domestic Substances List (DSL)	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
Australian Inv. of Chem. Substances (AICS)	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
New Zealand Inventory of Chemicals (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
China Inv. Existing Chemical Substances (IECSC)	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

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

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or



Safety Data Sheet

Iso-Propylol Technical Grade

Version 1.01

Revision Date 13.10.2023

control all conditions under which this 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 this 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 with respect to 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 this product.

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