



Safety Data Sheet

Iso-Propylol

Version 1.09

Revision Date 13.03.2025

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

Product identifier

Trade name	Iso-Propylol
Synonyms	2-Propanol
Product code	2127
CAS-No.	67-63-0
Relevant identified uses of the substance or mixture and uses advised against	
Use	Solvent. Industrial use.
Uses advised against	Prohibited for use in production of hand sanitizer.

Manufacturer or supplier's details

Company Address	Sasol Chemicals, a division of Sasol South Africa (Pty) Ltd 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

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REGULATION (EC) No 1272/2008

Hazard pictograms



Signal word

: Danger

Hazard statements

: H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 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+P265 Wash hands thoroughly after handling. Do not touch eyes.
 P271 Use only outdoors or in a well-ventilated area.
 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.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P319 Get medical help if you feel unwell.
 P337 + P317 If eye irritation persists: Get medical advice/ attention.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage

P403 + P233 + P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.
 P405 Store locked up.

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

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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

Ethanol

Contents: <= 15.00 % W/W

CAS-No. 64-17-5

Index-No. 603-002-00-5
Hazard statements H225

EC-No. 200-578-6

Propan-2-ol; isopropyl alcohol; isopropanol

Contents: >= 85.00 % W/W

CAS-No. 67-63-0

Index-No. 603-117-00-0
Hazard statements H225 H319 H336

EC-No. 200-661-7

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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	High volume 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	Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist. Use non-sparking tools.
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 (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Reference to other sections	Refer to section 8 and 13

SECTION 7. Handling and storage

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Safe handling advice	Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Take precautionary measures against static discharges. Ensure all equipment is electrically grounded before beginning transfer operations. Vapours are heavier than air and may spread along floors.
Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.
Requirements for storage areas and containers	Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
Advice on common storage	Keep containers tightly closed in a cool, well-ventilated place. Keep away from oxidizing agents, strongly acid or alkaline materials and amines.
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
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
Break through time: 4 h
Material thickness: 0.5 mm
Unsuitable gloves

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Eye protection	Material: natural rubber/natural latex, nitrile rubber/nitrile latex 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.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	Liquid
State of matter	Liquid; at 20 °C; 1,018 hPa
Colour	Colourless
Odour	Alcohol-like
Odour Threshold	No data available
pH	Not applicable
Melting point/range	-88.5 °C
Boiling point/boiling range	82.1 °C
Flash point	14 °C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	No data available
Decomposition Temperature	No data available
Lower explosion limit	2.0 %(V)
Upper explosion limit	19 %(V)
Vapour pressure	No data available
Relative vapour density	No data available
Density	0.785 g/cm ³ ; 20 °C
Solubility/qualitative	completely soluble
Water solubility	completely miscible, completely soluble
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	2.77 mm ² /s; 20 °C

SECTION 10. Stability and reactivity

Reactivity	Strong acids and oxidizing agents
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Extremes of temperature and direct sunlight. Heat, flames and sparks.
Materials to avoid	Strong oxidizing agents Halogenated compounds. Alkali metals Amines Aluminium Iron
Hazardous decomposition products	No decomposition if stored normally.

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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 available data, the classification criteria are not met.
Acute inhalation toxicity	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.
Acute dermal toxicity	Propan-2-ol; isopropyl alcohol; isopropanol: LD50 Rabbit: > 5,000 mg/kg; OECD Test Guideline 402; (literature value), Based on available data, the classification criteria are not met.
Acute dermal toxicity	Ethanol: LD50 Dermal Rat: > 5,000 mg/kg; OECD Test Guideline 402; (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)
Skin irritation	Ethanol: Rabbit: Not irritating; OECD Test Guideline 404 (literature value)
Eye irritation	Propan-2-ol; isopropyl alcohol; isopropanol: Rabbit: irritating (literature value)
Eye irritation	Ethanol: Rabbit: No eye irritation No eye irritation; 24 h; GLP: no; (literature value)
Sensitisation	Propan-2-ol; isopropyl alcohol; isopropanol: Buehler Test; Guinea pig: Not sensitizing; (literature value)
Sensitisation	Ethanol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406; (literature value)
Mutagenicity	Propan-2-ol; isopropyl alcohol; isopropanol: In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects;
Mutagenicity	Ethanol: In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects;

SECTION 12. Ecological information

Toxicity to fish Propan-2-ol; isopropyl alcohol; isopropanol:

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Toxicity to fish	static test; <i>Leuciscus idus melanotus</i> ; 48 h; LC50; > 100 mg/l; (literature value) Ethanol: static test; <i>Leuciscus idus</i> ; 48 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Propan-2-ol; isopropyl alcohol; isopropanol: static test; <i>Daphnia magna</i> (Water flea); 48 h; EC50; > 100 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Ethanol: static test; <i>Daphnia magna</i> (Water flea); 24 h; EC50; > 100 mg/l(literature value)
Toxicity to algae	Propan-2-ol; isopropyl alcohol; isopropanol: static test; <i>Scenedesmus subspicatus</i> 72 h; EC50; > 100 mg/l; (literature value)
Toxicity to algae	Ethanol: static test; <i>Chlorella pyrenoidosa</i> EC50; > 100 mg/l; OECD Test Guideline 201; (literature value)
Toxicity to bacteria	Ethanol: <i>Pseudomonas putida</i> ; 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	Substance is not persistent, bioaccumulative, and toxic (PBT). Substance is not very persistent and very bioaccumulative (vPvB).
Chemical Oxygen Demand (COD)	Ethanol: ca.1,700 mg/g; Directive 84/449/EEC, C.9; GLP: no;

SECTION 13. Disposal considerations

Product Packaging	Dispose of in accordance with local regulations. Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.
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SECTION 14. Transport information

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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

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Noxious Liquid, (11), n.o.s (trade name Iso propylol, contains iso-propylol)
 Ship Type: 2

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Pollution Category: Z

SECTION 15. Regulatory information

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

Canada. DSL - Domestic Substances List, part of CEPA	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemical Substances	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)
Japan. ENCS - Existing and New Chemical Substances Inventory	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)
Japan. Industrial Safety and Health Law - Inventory	All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)
Korea. KECI - Korean Existing Chemicals Inventory	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
China. IECSC - Inventory of Existing Chemical Substances in China	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)
Taiwan. Chemical Substances Inventory (TCSI)	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (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.



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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 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.

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