



SASOL

Safety Data Sheet

Ethanol 75 IPA

Version 1.02

Revision Date 20.03.2020

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

Product identifier

Trade name Ethanol 75 IPA

Synonyms Ethanol 75 IPA

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

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Sandton
2090
South Africa

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+44(0)1235 239 671 (Middle East, Arabic African countries)
+65 3158 1074 (Asia Pacific)
+86 10 5100 3039 (China)
+27 (0)17 610 4444 (South Africa)
+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 (Central nervous system)	Category 3

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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. 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. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. 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. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage	NA No precautionary statement
Disposal	P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

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SECTION 3. Composition/information on ingredients

Mixture

Ethanol

Contents: ≥ 75.00 - < 77.00 %W/W

CAS-No. 64-17-5

Index-No. 603-002-00-5

EC-No. 200-578-6

Hazard statements *H225 H319*

Propan-2-ol

Contents: ≥ 23.00 - < 25.00 %W/W

CAS-No. 67-63-0

Index-No. 603-117-00-0

EC-No. 200-661-7

Hazard statements *H225 H319 H336*



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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.
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.
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

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hazardous waste.

Reference to other sections Refer to section 8 and 13

SECTION 7. Handling and storage

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.

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

Advice on common storage No data available

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
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

Exposure controls

Engineering measures



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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.

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	Clear, colourless
Odour	characteristic
Odour Threshold	No data available
pH	Not applicable
Boiling point/boiling range	79 - 82 ° C
Flash point	14 ° C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Relative vapour density	No data available
Density	0.787 kg/m ³ ; 20 ° C; ASTM D4052
Viscosity, dynamic	1.34 mPa.s

SECTION 10. Stability and reactivity



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Reactivity	No decomposition if used as directed.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Heating can release hazardous gases.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents. Acids and bases
Hazardous decomposition products	Carbon oxides.

SECTION 11. Toxicological information

Acute oral toxicity	Propan-2-ol: LD50 Rat: > 2,000 mg/kg; (literature value)
Acute oral toxicity	Ethanol; Ethyl alcohol: LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401; (literature value)
Acute inhalation toxicity	Ethanol; Ethyl alcohol: LC50 Mouse: 4 h; > 20 mg/l; (literature value)
Acute inhalation toxicity	Propan-2-ol: LC50 Rat: 8 h; vapour; > 20 mg/l; (literature value)
Acute dermal toxicity	Propan-2-ol: LD50 Rabbit: > 2,000 mg/kg; (literature value)
Acute dermal toxicity	Ethanol; Ethyl alcohol: LD50 Dermal Rabbit: > 2,000 mg/kg; OECD Test Guideline 402; (literature value)
Skin irritation	Ethanol; Ethyl alcohol: Rabbit: Not irritating; OECD Test Guideline 404 (literature value)
Skin irritation	Propan-2-ol: Rabbit: Not irritating; (literature value)
Eye irritation	Ethanol; Ethyl alcohol: Rabbit: irritating OECD Test Guideline 405 (literature value)
Eye irritation	Propan-2-ol: Rabbit: irritating (literature value)
Sensitisation	Ethanol; Ethyl alcohol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test



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Sensitisation	Guideline 406; (literature value) Propan-2-ol: Buehler Test; Guinea pig: Not sensitizing; (literature value)
Repeated dose toxicity	Ethanol; Ethyl alcohol: Oral Rat; 90-day; NOAEL Early embryonic development 1,730 mg/kg Lowest observed adverse effect level 3,160 mg/kg
Mutagenicity	Ethanol; Ethyl alcohol: Ames test: Salmonella typhimurium; with and without; Not mutagenic; OECD Test Guideline 471; (literature value)

SECTION 12. Ecological information

Toxicity to fish	Ethanol; Ethyl alcohol: static test; Leuciscus idus; 48 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to fish	Propan-2-ol: static test; Leuciscus idus melanotus; 48 h; LC50; > 100 mg/l; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Ethanol; Ethyl alcohol: static test; Daphnia magna (Water flea); 24 h; EC50; > 100 mg/l(literature value)
Toxicity to daphnia and other aquatic invertebrates	Propan-2-ol: static test; Daphnia magna (Water flea); 48 h; EC50; > 100 mg/l(literature value)
Toxicity to algae	Ethanol; Ethyl alcohol: static test; Chlorella pyrenoidosa EC50; > 100 mg/l; OECD Test Guideline 201; (literature value)
Toxicity to algae	Propan-2-ol: static test; Scenedesmus subspicatus 72 h; EC50; > 100 mg/l; (literature value)
Biodegradability	Ethanol; Ethyl alcohol: aerobic; > 70 %; 5 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
Biodegradability	Propan-2-ol: aerobic; activated sludge; 53 %; 5 d; Readily biodegradable.;



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	(literature value)
Bioaccumulation	Propan-2-ol: 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 persistent and very bioaccumulating (vPvB).
Chemical Oxygen Demand (COD)	Ethanol; Ethyl alcohol: ca.1,700 mg/g; Directive 84/449/EEC, C.9; GLP: no;

SECTION 13. Disposal considerations

Product	Dispose of in accordance with local regulations.
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SECTION 14. Transport information

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.

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(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)

ICAO/IATA

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

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)



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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.

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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