



SASOL

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

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

Product identifier

Trade name Ethylol 95

Product code 2050

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

Use Raw material for aerosol propellants. Printing ink additive.
Industrial use.

Uses advised against Prohibited for use in production of hand sanitizer.

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

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

Label elements

REGULATION (EC) No 1272/2008

Hazard pictograms

:



Signal word

:

Danger

Hazard statements

:

H225 Highly flammable liquid and vapour.

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 precautionary measures against static discharge.

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

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

Disposal

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

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

SECTION 3. Composition/information on ingredients

Mixture

Ethanol

Contents: ≥ 95.00 - ≤ 97.00 %W/W

CAS-No. 64-17-5

Index-No. 603-002-00-5

EC-No. 200-578-6

Hazard statements *H225*

Propan-2-ol; isopropyl alcohol; isopropanol

Contents: ≥ 3.00 - ≤ 5.00 %W/W

CAS-No. 67-63-0

Index-No. 603-117-00-0

EC-No. 200-661-7

Hazard statements *H225 H319 H336*

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

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 skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray, Foam, CO2, Dry powder.
Unsuitable extinguishing media	Water spray jet
Special hazards arising from the substance or mixture	Flash back possible over considerable distance. Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. Accidental release measures

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

- Personal precautions** Keep people away from and upwind of spill/leak. Remove all sources of ignition. Use non-sparking tools. 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.
- Reference to other sections** Refer to section 8 and 13

SECTION 7. Handling and storage

- Safe handling advice** Wear personal protective equipment. Provide 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. Do not breathe vapours or spray mist.
- 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



Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

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

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.
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 liquid
Odour	Alcohol-like
Odour Threshold	No data available.
pH	Not applicable.
Melting point/range	-88.5 ° C
Boiling point/boiling range	78.4 ° C
Flash point	14 ° C; closed cup



SASOL

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	363 ° C
Decomposition	No data available.
Temperature	
Lower explosion limit	3.3 %(V)
Upper explosion limit	19 %(V)
Vapour pressure	5.86 kPa; 20 ° C
Relative vapour density	2.08
Density	0.790 g/cm ³ ; 20 ° C
Water solubility	Completely soluble
Viscosity, kinematic	1.48 mm ² /s; 20 ° C

SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Heating can release hazardous gases.
Conditions to avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Materials to avoid	Oxidizing agents. Acids and bases
Hazardous decomposition products	Carbon oxides

SECTION 11. Toxicological information

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 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.
Skin irritation	Ethanol:

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

	Rabbit: Not irritating; OECD Test Guideline 404 (literature value)
Skin irritation	Propan-2-ol; isopropyl alcohol; isopropanol: Rabbit: Not irritating; (literature value)
Eye irritation	Propan-2-ol; isopropyl alcohol; isopropanol: Rabbit: 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	Ethanol: static test; Daphnia magna (Water flea); 24 h; EC50; > 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 algae	Ethanol: static test; Chlorella pyrenoidosa EC50; > 100 mg/l; OECD Test Guideline 201; (literature value)

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

Toxicity to algae	Propan-2-ol; isopropyl alcohol; isopropanol: static test; Scenedesmus subspicatus 72 h; EC50; > 100 mg/l; (literature value)
Toxicity to bacteria	Ethanol: Pseudomonas putida; 16 h; 6,500 mg/l; Toxicity to bacteria
Biodegradability	Ethanol: aerobic; > 70 %; 5 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
Biodegradability	Propan-2-ol; isopropyl alcohol; isopropanol: aerobic; activated sludge; 53 %; 5 d; Readily biodegradable.; (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 persistent and very bioaccumulating (vPvB).
Chemical Oxygen Demand (COD)	Ethanol: ca. 1,700 mg/g; Directive 84/449/EEC, C.9; GLP: no;

SECTION 13. Disposal considerations

Product	Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.
Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

DG Pictogram



ADR

UN number: 1170
 Class: 3
 Packaging group: II; F1;
 Proper shipping name: ETHYL ALCOHOL SOLUTION

RID

UN number: 1170
 Class: 3
 Packaging group: II; F1
 Proper shipping name: ETHYL ALCOHOL SOLUTION

ADNR

UN number: 1170
 Class: 3
 Packaging group: II; F1
 Proper shipping name: ETHYL ALCOHOL SOLUTION

IMDG

UN number: 1170
 Class: 3
 EmS: F-E, S-D
 Packaging group: II
 Proper shipping name: ETHYL ALCOHOL SOLUTION
 Marine pollutant: Not a Marine Pollutant

ICAO/IATA

UN number : 1170
 Class: 3
 Packaging group: II
 Proper shipping name: ETHYL ALCOHOL SOLUTION

Transport in bulk according: Noxious liquid 11, n.o.s
 trade name, Ethylol 95, contains Ethyl alcohol

Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

to Annex II of MARPOL Pollution Category: Z
73/78 and the IBC Code

SECTION 15. Regulatory information

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

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.



Safety Data Sheet

Ethylol 95

Version 1.01

Revision Date 29.04.2022

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.

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.