

# Safety Data Sheet

## Alcosol E5

Version 1.03

Revision Date 15.06.2023

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

#### Product identifier

**Trade name** Alcosol E5

**Product code** 7054

#### 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

<b>Classification</b>	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



## Safety Data Sheet

### Alcosol E5

Version 1.03

Revision Date 15.06.2023

**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.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P233 Keep container tightly closed.  
P264 Wash the contact area thoroughly after handling.  
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 mist or vapours or spray.  
P271 Use only outdoors or in a well-ventilated area.

##### Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P337 + P317 If eye irritation persists: Get medical advice/ attention.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.  
P304 + P340 + P317 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.

##### Storage

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

##### 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

##### Ethanol

**Contents:** > 60.00 %W/W

**CAS-No.** 64-17-5

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

**EC-No.** 200-578-6



## Safety Data Sheet

### Alcosol E5

Version 1.03

Revision Date 15.06.2023

#### Ethyl acetate

**Contents:** < 10.00 %W/W

**CAS-No.** 141-78-6

**Index-No.** 607-022-00-5

**EC-No.** 205-500-4

**Hazard statements** *H225 H319 H336*

#### Propan-2-ol; isopropyl alcohol; isopropanol

**Contents:** < 10.00 %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

## Alcosol E5

Version 1.03

Revision Date 15.06.2023

### SECTION 4. First aid measures

#### Description of necessary first-aid measures

<b>Inhalation</b>	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.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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

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

### SECTION 6. Accidental release measures

<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material and dispose of as hazardous waste.
<b>Reference to other sections</b>	Refer to section 8 and 13

### SECTION 7. Handling and storage

<b>Safe handling advice</b>	Wear personal protective equipment. Provide sufficient air exchange and/or exhaust in work rooms. Take precautionary measures against
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## Safety Data Sheet

### Alcosol E5

Version 1.03

Revision Date 15.06.2023

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 <sup>3</sup>	1995	South Africa RELs
ETHANOL	TWA	1,000 ppm	1995	South Africa RELs
ISOPROPYL ALCOHOL	TWA	980 mg/m <sup>3</sup>	1995	South Africa RELs
PROPAN-2-OL	TWA	400 ppm	1995	South Africa RELs
PROPAN-2-OL	STEL	1,225 mg/m <sup>3</sup>	1995	South Africa RELs
	STEL	500 ppm	1995	South Africa RELs
ETHYL ACETATE	TWA	1,400 mg/m <sup>3</sup>	1995	South Africa RELs
	TWA	400 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

# Safety Data Sheet

## Alcosol E5

Version 1.03

Revision Date 15.06.2023

<b>State of matter</b>	Liquid; at 20 °C; 1,013 hPa
<b>Colour</b>	Colourless
<b>Odour</b>	Alcohol-like
<b>Odour Threshold</b>	No data available.
<b>pH</b>	Not applicable.
<b>Melting point/range</b>	No data available.
<b>Boiling point/boiling range</b>	78.2 - 81.6 °C; ASTM D86
<b>Flash point</b>	< 10 °C; ASTM D 93 - 85; closed cup;
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	No data available.
<b>Auto-ignition temperature</b>	No data available.
<b>Decomposition Temperature</b>	No data available.
<b>Lower explosion limit</b>	No data available.
<b>Upper explosion limit</b>	No data available.
<b>Vapour pressure</b>	No data available.
<b>Relative vapour density</b>	No data available.
<b>Density</b>	0.79 g/cm <sup>3</sup> ; 20 °C; ASTM D4052
<b>Water solubility</b>	Partly soluble
<b>Partition coefficient: n-octanol/water</b>	No data available.
<b>Viscosity, kinematic</b>	1.32 mm <sup>2</sup> /s; 20 °C; ASTM D 445

### SECTION 10. Stability and reactivity

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

### SECTION 11. Toxicological information

<b>Acute inhalation toxicity</b>	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.
<b>Skin irritation</b>	Ethanol: Rabbit: Not irritating; OECD Test Guideline 404 (literature value)
<b>Eye irritation</b>	Ethanol: Rabbit: No eye irritation No eye irritation; 24 h; GLP: no; (literature value)
<b>Sensitisation</b>	Ethanol: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406; (literature value)
<b>Mutagenicity</b>	Ethanol: In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects;

### SECTION 12. Ecological information

## Safety Data Sheet

### Alcosol E5

Version 1.03

Revision Date 15.06.2023

<b>Toxicity to fish</b>	Ethanol: static test; <i>Leuciscus idus</i> ; 48 h; LC50; > 100 mg/l; OECD Test Guideline 203; (literature value)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Ethanol: static test; <i>Daphnia magna</i> (Water flea); 24 h; EC50; > 100 mg/l(literature value)
<b>Toxicity to algae</b>	Ethanol: static test; <i>Chlorella pyrenoidosa</i> EC50; > 100 mg/l; OECD Test Guideline 201; (literature value)
<b>Biodegradability</b>	Ethanol: aerobic; > 70 %; 5 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)

<b>Chemical Oxygen Demand (COD)</b>	Ethanol: ca.1,700 mg/g; Directive 84/449/EEC, C.9; GLP: no;
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#### SECTION 13. Disposal considerations

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

#### SECTION 14. Transport information

##### DG Pictogram



<b>ADR</b>	
<b>UN number:</b>	1993
<b>Class:</b>	3
<b>Packaging group:</b>	III; F1;
<b>Proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (Ethanol)

<b>RID</b>	
<b>UN number:</b>	1993
<b>Class:</b>	3
<b>Packaging group:</b>	III; F1
<b>Proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (Ethanol)

<b>IMDG</b>	
<b>UN number:</b>	1993
<b>Class:</b>	3



## Safety Data Sheet

### Alcosol E5

Version 1.03

Revision Date 15.06.2023

<b>EmS:</b>	F-E, S-E
<b>Packaging group:</b>	III
<b>Proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (Ethanol)
<b>Marine pollutant</b>	Not a Marine Pollutant
<b>ICAO/IATA</b>	
<b>UN number :</b>	1993
<b>Class:</b>	3
<b>Packaging group:</b>	III
<b>Proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (Ethanol)

#### SECTION 15. Regulatory information

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

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





## Safety Data Sheet

### Alcosol E5

Version 1.03

Revision Date 15.06.2023

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.