



Safety Data Sheet

Ethyl Acetate

Version 1.05

Revision Date 15.01.2025

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

Product identifier

Trade name Ethyl Acetate

Synonyms Ethyl ethanoate, Acetic acid ethyl ester, Ethanoic acid ethyl ester, Acetic ester

Product code 2508

CAS-No. 141-78-6

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

Use Solvent. Raw material for printing inks and printing ink additives. Industrial use.

Manufacturer or supplier's details

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

Address Sasol Place, 50 Katherine Street
Sandton
2090
South Africa

Telephone +27103445000

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

Supplier's details Sasol Chemicals Pacific Ltd

61 Robinson Road

#17-02, 61 Robinson

Singapore

068893

Telephone +65 6533 8856

E-mail address info.sg@sasol.com

Emergency Phone Number

Emergency telephone number +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

+44(0)1235 239 671 (Middle East, Arabic African countries)

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+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

GHS Classification

SS 586 : Part 2: Specification for Hazard Communication for Hazardous Chemicals and Dangerous Goods, Part 2 : Globally harmonized system of classification and labelling of chemicals - Singapore's adaptations

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

GHS label elements

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 open flames/ hot surfaces. - 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.

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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/ shower.

P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

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.

P304 + P340 + P317 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.

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 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

Ethyl acetate

Contents: 100.00 % W/W

CAS-No. 141-78-6

Index-No. 607-022-00-5

EC-No. 205-500-4

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. Call a physician immediately.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	Vapours may form explosive mixtures with air. Flash back possible over considerable distance.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

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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. Material can create slippery conditions. Use non-sparking tools.
Environmental precautions	Should not be released into the environment. 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	Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Take precautionary measures against static discharge. Ensure all equipment is electrically grounded before beginning transfer operations.
Advice on protection against fire and explosion	Keep away from heat and sources of ignition. Use explosion-proof equipment.
Requirements for storage areas and containers	Keep containers tightly closed in a dry, cool and 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 ACETATE	TWA	1,440 mg/m ³	2006	Singapore PELs
	TWA	400 ppm	2006	Singapore PELs

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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. 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	Fruity
Odour Threshold	No data available
pH	Not applicable
Melting point/range	-83.6 °C
Boiling point/boiling range	77 °C; ASTM D86
Flash point	-4 °C; ASTM D 93; closed cup;
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	No data available

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Decomposition Temperature	No data available
Lower explosion limit	2 %(V)
Upper explosion limit	12.8 %(V)
Vapour pressure	98.4 hPa; 20 °C
Relative vapour density	3.04(Air = 1.0)
Density	0.899 g/cm ³ ; 20 °C; ASTM D4052
Water solubility	85.3 g/l; 20 °C
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	0.500 mm ² /s; 20 °C; ASTM D 445

SECTION 10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Strong oxidizing agents Incompatible with acids. Halogenated compounds
Hazardous decomposition products	Carbon oxides.

SECTION 11. Toxicological information

Acute oral toxicity	Ethyl acetate: LD50 Rat: 2,000 mg/kg; (literature value)
Skin irritation	Ethyl acetate: Rabbit: Not irritating; (literature value)
Eye irritation	Ethyl acetate:

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Sensitisation	Rabbit: Slightly irritating (literature value) Ethyl acetate: Maximisation Test; Guinea pig: Not sensitizing; OECD Test Guideline 406;
Mutagenicity	Ethyl acetate: Ames test: Salmonella typhimurium; Not mutagenic; (literature value)

SECTION 12. Ecological information

Toxicity to fish	Ethyl acetate: semi-static test; Salmo gairdneri; 96 h; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Ethyl acetate: static test; Daphnia magna (Water flea); 48 h; EC50; > 100 mg/l(literature value)
Toxicity to algae	Ethyl acetate: static test; Desmodesmus subspicatus (green algae)72 h; EC50; > 100 mg/l; (literature value)
Biodegradability	Ethyl acetate: aerobic; > 70 %; 28 d; Readily biodegradable.; OECD Guideline 301 D; (literature value)
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).
Other adverse effects	No data available

SECTION 13. Disposal considerations

Product	Dispose of product in accordance with applicable laws, regulations and standards in the country of use. Do not contaminate ponds, waterways or ditches with chemical or used container. The product should not be allowed to enter drains, water courses or the soil.
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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: 1173
Class: 3
Packaging group: II; F1;
Proper shipping name: ETHYL ACETATE

RID

UN number: 1173
Class: 3
Packaging group: II; F1
Proper shipping name: ETHYL ACETATE

ADNR

UN number: 1173
Class: 3
Packaging group: II; F1
Proper shipping name: ETHYL ACETATE

IMDG

UN number: 1173
Class: 3



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EmS: F-E, S-D

Packaging group: II

Proper shipping name: ETHYL ACETATE

Marine pollutant Not a Marine Pollutant

ICAO/IATA

UN number : 1173

Class: 3

Packaging group: II

Proper shipping name: ETHYL ACETATE

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

Ship Type: 3

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)

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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.

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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