

Safety Data Sheet

Ethyl Acetate

Version 1.07

Revision Date 30.09.2025

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 Ltd

Address Sasol Place, 50 Katherine Street
Sandton
2090
South Africa

Telephone +27103445000

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

Supplier's details 2-12-6 Kyobashi, Chuo-ku

Toshin Shoji Building, 5F

Tokyo, 104-0031

Japan

104-0031

Telephone +81 - 3 - 6263-2061

E-mail address info.sg@sasol.com

Emergency Phone Number

Emergency telephone +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

Japan. NITE GHS Classifications of Regulated Chemicals [Advisory]

Classification

Flammable liquids	Category 2
Acute toxicity (Oral)	Category 4
Acute toxicity (Inhalation)	Category 4
Acute toxicity (Dermal)	Category 4
Eye damage/irritation	Category 2B
Specific target organ toxicity - single exposure	Category 3

GHS label elements

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H225 Highly flammable liquid and vapor.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H320 Causes eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

Precautionary Statements

: **Prevention:**
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No

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smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P301 + P317 IF SWALLOWED: Get medical help.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see supplemental instructions on the administration of antidotes on this label).

P330 Rinse mouth.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide 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 facility in accordance with local, regional, national and international regulations.



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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

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 H302 H332 H312 H320 H335 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 vapors. 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	Vapors 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 vapors 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

Ingredients with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
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ETHYL ACETATE	TLV	200 ppm	04 2009	Japan ISHL OELs
ETHYL ACETATE	TWA	720 mg/m ³	05 2009	Japan JSOH OELs
	TWA	200 ppm	05 2009	Japan JSOH OELs

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
Color	Clear, colourless
Odor	fruity
Odor 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;

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Evaporation rate	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	No data available
Decomposition Temperature	No data available
Lower explosion limit	2 %(V)
Upper explosion limit	12.8 %(V)
Vapor pressure	98.4 hPa; 20 °C
Relative vapor 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 polymerization 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:

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	LD50 Rat: 2,000 mg/kg; (literature value)
Skin irritation	ethyl acetate: Rabbit: Not irritating; (literature value)
Eye irritation	ethyl acetate: Rabbit: Slightly irritating (literature value)
Sensitization	ethyl acetate: Maximization 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	Not persistent, bioaccumulative, and toxic (PBT). Not very persistent and very bioaccumulative (vPvB).
Other adverse effects	No data available

SECTION 13. Disposal considerations

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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.
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



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IMDG

UN number: 1173
Class: 3
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

Canadian Domestic Substances List (DSL)	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
Australia Inventory of Chemical Substances (AICS)	All chemical constituents are listed in: Australia Inventory of Chemical Substances (AICS) (See chapter 3)
New Zealand. Inventory of Chemical Substances	All chemical constituents are listed in: New Zealand. Inventory of Chemical Substances (See chapter 3)

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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. ISHL - Inventory of Chemical Substances

All chemical constituents are listed in: Japan. ISHL - Inventory of Chemical Substances (See chapter 3)

Korea. Korean Existing Chemicals Inventory (KECI)

All chemical constituents are listed in: Korea. Korean 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. Inventory of Existing Chemical Substances in China (IECSC)

All chemical constituents are listed in: China. Inventory of Existing Chemical Substances in China (IECSC) (See chapter 3)

Taiwan Chemical Substance Inventory (TCSI)

All chemical constituents are listed in: Taiwan Chemical Substance Inventory (TCSI) (See chapter 3)

United States TSCA Inventory

All chemical constituents are listed in: United States TSCA Inventory (See chapter 3)

Industrial Safety and Health Act Japan PRTR

This product complies with PRTR requirements.

PRTR Ordinance number:

NA

SECTION 16. Other information

Full text of H-Statements

- H225 Highly flammable liquid and vapor.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H320 Causes eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.

Industrial Safety and Health Act

- Dangerous or Harmful Substances whose name should be labelled and notified (Ordinance appended table 2-595)
- Dangerous/Inflammable Substances (Attached Table 1-4 of Order).
- Second-class Organic Solvents

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(Attached Table 6-2 of Order/Article 1-1-4 of Ordinance on Prevention of Organic Solvent Poisoning)

- Assessment of the Results of Working Environment Measurement

(Article 65-2-1 of Act)

Poisonous and Deleterious Substances Control Act

- Deleterious Substance

(Article 2 of Act)

Act on Prevention of Marine Pollution and Marine Disaster

- Harmful liquid substance (Z Category)

(Attached table 1 of Order)

Fire Service Act

- Category IV inflammable liquids, Class I petroleums
Water-insoluble liquid

(Article 2-7 of Act, Appended table 1-4 of Act.)

Ship Safety Act

- Inflammable liquids

(Article 3 of Regulations for the carriage and storage of dangerous goods in ship, Appended table 1 of Regulation)

Civil Aeronautics Act

- Inflammable liquid

(Article 194 of Order, Appended table 1 of Order)

Labor Standards Act

- Illness chemical substances

(Article 75-2 of Act)

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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