



Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

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

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

Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

Classification	Flammable liquids	Category 2
	Eye irritation	Category 2
	Specific target organ toxicity - single exposure (Central nervous system)	Category 3

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

Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

Prevention

- P210 Keep away from heat/ sparks/ 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.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P264 Wash the contact area thoroughly after handling.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ 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/ 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 + 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.



Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

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*

Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

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. 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.
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.



Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

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	1,400 mg/m3	1995	South Africa RELs
	TWA	400 ppm	1995	South Africa RELs

Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

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 - 85; closed cup;
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Auto-ignition temperature	No data available.
Decomposition	No data available.

Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

Temperature

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

Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

value)

SECTION 12. Ecological information

Toxicity to fish	Ethyl acetate: semi-static test; <i>Salmo gairdneri</i> ; 96 h; > 100 mg/l; OECD Test Guideline 203; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Ethyl acetate: static test; <i>Daphnia magna</i> (Water flea); 48 h; EC50; > 100 mg/l(literature value)
Toxicity to algae	Ethyl acetate: static test; <i>Desmodesmus subspicatus</i> (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	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).
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.
Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

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
 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

Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

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)
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)



Safety Data Sheet

Ethyl Acetate

Version 1.03

Revision Date 13.10.2022

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.

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.