



## Safety Data Sheet

### Ethyl Acetate

Version 1.10

Revision Date 08.02.2012

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

<b>Trade name</b>	<b>Ethyl Acetate</b>	
<b>Synonyms</b>	<b>Ethyl Acetate, ethyl acetate</b>	
<b>Product code</b>	<b>2501</b>	
<b>Use</b>	Solvent, For industrial use only.	
<b>Company</b>	Sasol Solvents A Division of Sasol Chemical Industries 2 Sturdee Avenue Rosebank 2196 Republic of South Africa	
<b>Information (Product safety)</b>	<b>Telephone:</b> +27 11 280 0000 <b>Fax:</b> +27 11 280 0198 <b>E-mail address</b> <a href="mailto:msds.info@sasol.com">msds.info@sasol.com</a>	
<b>Emergency telephone number</b>	Europe, Israel, Africa, Americas Middle East, Arabic African countries Asia Pacific China South Africa Australia	+44 (0)1235 239 670 +44 (0)1235 239 671 +65 3158 1074 +86 10 5100 3039 +27 (0)17 610 4444 +61 2 9032 0460

#### 2. Hazards identification

##### Identification of the risks

R11	Highly flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
	Particular risks to human beings and the environment

#### 3. Composition/information on ingredients

##### Ethyl acetate

**Contents:** 100.00 %W/W

**CAS-No.** 141-78-6  
**Symbol(s)** F, Xi

**Index-No.** 607-022-00-5  
**R-phrase(s)** -R11 -R36 -R66 -R67

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

For the full text of the R-phrases mentioned in this Section, see Section 16.



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#### 4. First aid measures

<b>General advice</b>	<i>When symptoms persist or in all cases of doubt seek medical advice.</i>
<b>Inhalation</b>	<i>Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.</i>
<b>Skin contact</b>	<i>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.</i>
<b>Eye contact</b>	<i>Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.</i>
<b>Ingestion</b>	<i>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.</i>

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#### 5. Firefighting measures

<b>Suitable extinguishing media</b>	<i>Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)</i>
<b>Extinguishing media which shall not be used for safety reasons</b>	<i>No information available.</i>
<b>Specific hazards during firefighting</b>	<i>Vapours may form explosive mixtures with air. Flash back possible over considerable distance.</i>
<b>Special protective equipment for firefighters</b>	<i>Wear self-contained breathing apparatus and protective suit.</i>
<b>Further information</b>	<i>Cool containers / tanks with water spray.</i>

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#### 6. Accidental release measures

<b>Personal precautions</b>	<i>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.</i>
<b>Environmental precautions</b>	<i>Should not be released into the environment. Prevent further leakage or spillage if safe to do so.</i>
<b>Methods for cleaning up</b>	<i>Soak up with inert absorbent material and dispose of as hazardous waste.</i>



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## 7. Handling and storage

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### Handling

**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.

### Storage

**Requirements for storage areas and containers** Keep containers tightly closed in a dry, cool and well-ventilated place.

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## 8. Exposure controls/personal protection

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### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

#### EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

### 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.

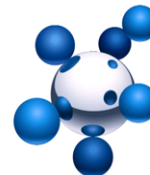
**Hand protection** Gloves suitable for permanent contact:  
Material: butyl-rubber  
Break through time: 4 h  
Material thickness: 0.5 mm

**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.

**Protective measures** Wear suitable protective equipment.



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#### 9. Physical and chemical properties

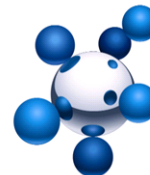
<b>Form</b>	Liquid
<b>State of matter</b>	Liquid
<b>Colour</b>	Clear, colourless liquid
<b>Odour</b>	ether-like
<b>pH</b>	7
<b>Melting point/range</b>	-83.6 °C
<b>Boiling point/boiling range</b>	77 °C
<b>Flash point</b>	-3 °C; Closed cup
<b>Autoignition temperature</b>	427 °C
<b>Lower explosion limit</b>	2.2 %(V)
<b>Upper explosion limit</b>	11.5 %(V)
<b>Vapour pressure</b>	124.256 hPa; 20 °C
<b>Density</b>	0.902 g/cm <sup>3</sup>
<b>Water solubility</b>	Completely miscible
<b>Viscosity, dynamic</b>	0.44 mPa.s
<b>Viscosity, kinematic</b>	0.48 mm <sup>2</sup> /s
<b>Relative vapour density</b>	3.04(Air = 1.0)

#### 10. Stability and reactivity

<b>Materials to avoid</b>	Strong oxidizing agents, Incompatible with acids., Halogenated compounds
<b>Hazardous decomposition products</b>	Carbon oxides
<b>Hazardous reactions</b>	Hazardous polymerisation does not occur.

#### 11. Toxicological information

<b>Acute oral toxicity</b>	LD50 rat: 5,620 mg/kg; literature value LD50 rabbit: 4,940 mg/kg; literature value
<b>Acute inhalation toxicity</b>	LC50 rabbit: 2,500 mg/l; ; 4 h; literature value LC50 rat: 4,000 mg/l; ; 4 h; literature value



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<b>Skin irritation</b>	No data available
<b>Eye irritation</b>	Eye irritation
<b>Sensitisation</b>	No data available
<b>Genotoxicity in vitro</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Human experience: If inhaled</b>	Vapours may cause drowsiness and dizziness.
<b>Human experience: In case of skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Human experience: In case of eye contact</b>	Irritating to eyes
<b>Human experience: If swallowed</b>	No data available

#### 12. Ecological information

<b>Biodegradability</b>	Readily biodegradable, according to appropriate OECD test.
<b>Bioaccumulation</b>	No data available
<b>Ecotoxicity effects</b>	
<b>Toxicity to fish</b>	LC50 Pimephales promelas: 230 mg/l; 96 h; literature value
<b>Toxicity to algae</b>	No data available
<b>Further information</b>	No data available

#### 13. Disposal considerations

<b>Product</b>	In accordance with local and national regulations., 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.
<b>Contaminated packaging</b>	Do not burn, or use a cutting torch on, the empty drum. Triple rinse containers. Can be offered for recycling, re-conditioning or puncture.

#### 14. Transport information

<b>ADR</b>	UN number: 1173; Class: 3; Packaging group: II; F1; Description of the goods: ETHYL ACETATE
<b>RID</b>	UN number: 1173; Class: 3; Packaging group: II; F1; Description of the goods: ETHYL ACETATE



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<b>ADNR</b>	UN number: 1173; Class: 3; Packaging group: II; F1; Description of the goods: ETHYL ACETATE
<b>IMDG</b>	UN number: 1173; Class: 3; EmS: F-E, S-D; Packaging group: II; Description of the goods: ETHYL ACETATE
<b>ICAO/IATA</b>	UN number : 1173; Class: 3; Packaging group: II; Description of the goods: Ethyl acetate

## 15. Regulatory information

### Labelling



<b>Regulatory base</b>	67/548/EEC
<b>Symbol(s)</b>	F: Highly flammable Xi: Irritant
<b>R-phrases(s)</b>	R11: Highly flammable. R36: Irritating to eyes. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
<b>S-phrases(s)</b>	S 2: Keep out of the reach of children. S16: Keep away from sources of ignition - No smoking. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33: Take precautionary measures against static discharges.
<b>Hazardous components which must be listed on the label</b>	Ethyl acetate



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## 16. Other information

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### *Full text of R-phrases referred to under sections 2 and 3*

R11	Highly flammable.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the 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 the 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 as regards 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 the product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

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The MSDS was approved by: M. HUYSER