

SAFETY DATA SHEET

ETHYL ACETATE AR/ACS

1. Identification of the substance/preparation and of the company or firm

- 1.1 Identification of the substance or preparation:
 Catalogue no. : KA212
 Product name : ETHYL ACETATE AR/ACS
 Synonym: Ethyl Acetate, Acetic acid ethyl ester
- 1.2 Use of the substance/preparation: For laboratory utilisation, analysis, research and fine chemistry.
- 1.3 Identification of the company or firm: Elago Enterprises Pty Ltd, 5 The Cloisters, Cherrybrook, N.S.W. 2126, Australia
 Tel no. (61) 2 98998169
 Fax no. (61) 2 98997976
- 1.4 Emergency telephone: (61) 2 98998169 (9:00am - 5:00 pm) [Office hours]

2. Identification of dangers

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)
 Health hazards : Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 - Warning (CLP : STOT SE 3) H336
 Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332
 Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

Physical hazards : Flammable liquids - Category 2 - Danger (CLP : Flam. Liq. 2) H225

Classification EC 67/548 or EC 1999/45

Symbol(s) F : Highly flammable
 Xi : Irritant

R Phrase(s) R11 : Highly flammable
 R36 : Irritating to eyes.
 R66 : Repeated exposure may cause skin dryness or cracking.
 R67 : Vapours may cause drowsiness and dizziness.

S Phrase(s) S2 : 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.☒

Signal words : Danger

Hazard pictograms



Hazard statements : H225 Highly flammable liquid and vapour.
 H319 : Causes serious eye irritation.
 H332 : Harmful if inhaled.
 H336 May cause drowsiness or dizziness.

Precautionary statements:

General: P101: If medical advice is needed, have product container or label at hand.
 P102: Keep out of reach of children.
 P103: Read label before use.

Prevention: P210: Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
 P233: Keep container tightly closed.
 P240: Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.
 P261: Avoid breathing dust, fume, gas, mist, vapours, spray.
 P264: Wash thoroughly after handling
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves, protective clothing, eye protection, face protection.

Response: P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.
 P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing.
 Rinse skin with water/shower.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P370+P378: In case of fire: Use for extinction.
 P391: Collect spillage.

Storage : P403+P233: Store in well-ventilated place. Keep container tightly closed.

P403+P235: Store in well-ventilated place. Keep cool.
P405: Store locked up.
Disposal considerations: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

3. Composition/information on ingredients

Substance / Preparation: Ethyl Acetate 99.5-100%
Formula: $\text{CH}_3\text{COOC}_2\text{H}_5$
CAS No : 141-78-6
EC No : 205-500-4

4. First-aid measures

- 4.1 General indications: Never provide drink or induce vomiting in the event of loss of consciousness.
4.2 Inhaling: Take the person out into the fresh air. In the event of suffocation, proceed to provide artificial respiration. In the event sickness persists, seek medical assistance.
4.3 Contact with the skin: Wash with plenty of water. Remove contaminated clothing. In the event of irritation, seek medical assistance.
4.4 Eyes: Wash with plenty of water, keeping eyelids open. Seek immediate medical assistance.
4.5 Ingestion: Avoid vomiting. Seek immediate medical assistance.
Most important symptoms and effects, both acute and delayed : Danger of serious damage to health by prolonged exposure through inhalation. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.
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5. Fire-fighting measures

- 5.1 Suitable fire-extinguishing means: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
5.2 Unsuitable extinguishing media: Running water.
5.3 Special risks: Highly flammable liquid and vapour. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. In the event of fire, fire will produce irritating, poisonous and/or corrosive gases.
5.4 Advice for firefighters: Suitable clothing and footwear. Self-contained breathing equipment. Cool the recipients with water.
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6. Accidental release measures

- 6.1 Individual precautions: Do not inhale the fumes. Use personal protective equipment as required. Avoid contact with the skin, eyes or clothing. Avoid sources of ignition. Do not smoke. Ensure good ventilation and renewal of the air in the premises.
6.2 Environmental precautions: Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.
6.3 Methods for collection/cleaning: Collect up with absorbent materials or, if none available, dry sand or earth and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.
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7. Handling and storage

- 7.1 Handling: Avoid the formation of electrostatic charges. Ensure good ventilation and renewal of the air in the premises. Avoid breathing dust, fume, gas, mist, vapours or spray. Avoid contact with the skin, eyes or clothing. Use personal protective equipment as required. Handle with caution.
7.2 Storage: Well sealed containers. In well ventilated premises. Away from sources of ignition and heat.
7.3 Special precautions : No naked lights. No smoking.
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8. Exposure controls/personal protection

- 8.1 Exposure controls: Ensure good ventilation and renewal of the air in the premises.
8.2 Exposure limit control: VLA-ED [ppm] : 400
VLA-ED [mg/m^3] : 1460
OEL (UK)-LTEL [ppm] : 200
OEL (UK)-STEL [ppm] : 400
8.3 Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
8.4 Hand protection: Use suitable gloves
8.5 Eye protection: Use suitable goggles.
8.6 Individual hygiene measures: Remove contaminated clothing. Use suitable work clothing. Wash hands before breaks and when the job is done.
8.7 Environmental exposure controls: Avoid pollution of the soil, water supplies and drains.
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9. Physical and chemical properties

Appearance: liquid
Colour: Colourless
Odour: Characteristic

pH value:	No data available.
Melting Point:	-84 °C
Boiling Point:	77 °C
Flash point:	-4 °C
Flammability (solid, gas) :	Highly flammable liquid and vapour. Flammable.
Evaporation rate :	6
Vapour pressure:	73.7 at 20° C
Vapour density :	3
Solubility:	80 g/l in water at 20 °C
Density:	0.914
Relative density, gas (air=1) :	3
Relative density, liquid (water=1) :	No data available.
Viscosity @ at 40°C [mm2/s] :	No data available.

10. Stability and reactivity

10.1 Conditions which should be avoided:	High temperatures.
10.2 Matter which should be avoided:	Strong acids. Strong bases.
10.3 Hazardous decomposition products:	Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.
10.4 Chemical stability:	Light-sensitive. Exposure to air encourages decomposition. The gases/fumes can form explosive mixtures with the air.

11. Toxicological information

11.1 Acute toxicity:	Inhalation : Harmful if inhaled. Dermal : Based on available data, the classification criteria are not met. Ingestion : Based on available data, the classification criteria are not met.
11.2 Corrosion :	Based on available data, the classification criteria are not met.
11.2 Irritation :	Causes serious eye irritation.
11.3 Repeated exposure may cause skin dryness or cracking.	
11.4 Sensitization :	Based on available data, the classification criteria are not met.
11.5 Mutagenicity :	Based on available data, the classification criteria are not met.
11.6 Carcinogenicity :	Based on available data, the classification criteria are not met.
11.7 Toxic for reproduction :	Based on available data, the classification criteria are not met.
11.8 STOT-single exposure :	May cause drowsiness or dizziness. ☒
11.9 STOT-repeated exposure :	Based on available data, the classification criteria are not met.
11.10 Aspiration hazard :	Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Toxicity:	Biodegradable. WGK class (Germany) : 1
12.2 Persistence and Degradability:	Biodegradable.
12.3 Bioaccumulative potential:	Not established.
12.4 Mobility in soil:	Not established.
12.5 Results of PBT and vPvB assessment :	The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
12.6 Other possible effects on the environment:	Avoid release to the environment.

13. Disposal considerations

Disposal considerations:	Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. ☒ Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Contaminated containers:	Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

14. Transport information

14.1 Overland (ADR):	Technical name: ETHYL ACETATE UN 1173 Class: 3 Packaging group: II (D/E)
14.2 By sea (IMDG):	Technical name: ETHYL ACETATE UN 1173 Class: 3 Packaging group: II EMS 2414
14.3 By air (ICAO-IATA):	Technical name: ETHYL ACETATE UN 1173 Class: 3 Packaging group: II

15. Regulatory information

5.1 Regulatory Information:	Ensure all national/local regulations are observed.
5.2 Poisons Schedule:	Not Scheduled

16. Other Information

Abbreviations and acronyms :	PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative
Sources of key data used:	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
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Date published:	1-Jan-2016
Further information :	None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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