

SAFETY DATA SHEET

Ethyl acetate

According to Regulation (EU) 2020/878 (REACH Annex II) · CLP (EC) 1272/2008 as amended by EU 2024/2865

SECTION 1: Identification

1.1 Product identifier

Property	Value
CAS-No.	141-78-6
EC-No.	205-500-4
EC Index-No.	607-022-00-5
REACH Registration	01-2119475103-46-XXXX
Molecular formula	C ₄ H ₈ O ₂

1.3 Supplier

Field	Details
Company	Synthesia Ltd.
Address	Todor Radunchev 9, Krivina 1588, Bulgaria
VAT	BG121306542
Phone	+359 2 974 4968
Email	office@synthesia.bg

1.4 Emergency

Emergency number: 112

SECTION 2: Hazards identification

2.1 Classification

Hazard class	Cat.	Statement
Flammable liquids	2	H225 — Highly flammable liquid and vapour
Eye damage/irritation	2	H319 — Causes serious eye irritation
STOT SE	3	H336 — May cause drowsiness or dizziness

Classification per CLP (EC) 1272/2008 as amended by EU 2024/2865.

2.2 Label elements

Element	Details
Pictograms	GHS02 (Flame) · GHS07 (Exclamation)
Signal word	DANGER

Hazard statements	H225 — Highly flammable liquid and vapour. H319 — Causes serious eye irritation. H336 — May cause drowsiness or dizziness.
EUH	EUH066 — Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Not PBT, vPvB, PMT, or vPvM per REACH Annex XIII and CLP (EU) 2024/2865.

Not classified as an endocrine disruptor (ED) per CLP 2024/2865, Reg. (EU) 2017/2100, or Reg. (EU) 2018/605.

Vapours may form explosive mixture with air.

SECTION 3: Composition

Component	CAS	EC	Conc.
Ethyl acetate	141-78-6	205-500-4	> 99.8%

SECTION 4: First aid measures

Route	Measures
Inhalation	Remove to fresh air. Keep comfortable for breathing.
Skin	Rinse with water/shower. Remove contaminated clothing.
Eyes	Rinse cautiously with water for several minutes. Remove contact lenses.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call poison centre.

SECTION 5: Firefighting measures

Suitable extinguishing media: Water spray, dry powder, foam, CO₂. Unsuitable: High volume water jet.

Special hazards: Highly flammable liquid and vapour. Toxic fumes (carbon oxides). Firefighters: SCBA + full protective clothing.

SECTION 6: Accidental release measures

Wear PPE. Ventilate area. Eliminate ignition sources. Contain with absorbent material. Avoid release to environment.

SECTION 7: Handling and storage

Keep away from heat, sparks, open flames. Ground/bond container. Use non-sparking tools. Explosion-proof equipment.

Store in well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls

Parameter	Value
OEL TWA	734 mg/m ³ (200 ppm)
OEL STEL	1,468 mg/m ³ (400 ppm)
PPE	Gloves, safety glasses, protective clothing. Respiratory if ventilation insufficient.

SECTION 9: Physical and chemical properties

Property	Value
Physical state	Liquid
Appearance	Colourless, clear
Odour	Fruity
Melting point	-84 °C
Boiling range	76.5 – 77.5 °C
Flash point	-4 °C
Auto-ignition	426 °C
Flammability limits	2 – 11.5 vol %
Vapour pressure	73 mm Hg (20 °C)
Density	0.902 g/cm ³ (20 °C)
Solubility (water)	8 g/100 ml (25 °C)
log Pow	0.73

SECTION 10: Stability and reactivity

Stable under normal conditions. Hazardous reactions: None known. Avoid heat, flames, sparks, ignition sources.

SECTION 11: Toxicological information

Endpoint	Data
Acute oral LD50	5,620 mg/kg bw (rabbit)
Acute dermal LD50	> 18,000 mg/kg bw (rat)
Acute inhalation LC50	1.600 mg/l/4h (rat)
Eye irritation	Category 2 — Causes serious eye irritation
STOT SE	Category 3 — May cause drowsiness or dizziness
Repeated dose NOAEL	900 mg/kg bw

SECTION 12: Ecological information

Endpoint	Value
Fish LC50 (96h)	230 mg/l (Pimephales promelas)
Daphnia EC50 (48h)	720 mg/l (Daphnia magna)
Biodegradation	100 % — 28 days — Readily biodegradable

SECTION 13: Disposal considerations

Dispose in accordance with local/national/international regulations. Do not re-use empty containers.

SECTION 14: Transport information

Mode	UN	Name	Class	PG
ADR/RID/IMDG/IATA/ADN	1173	ETHYL ACETATE	3	II

Tunnel code: D/E | Kemler: 33 | EmS: F-E, S-D

SECTION 15: Regulatory information

REACH Annex XVII: No restrictions. Not on SVHC Candidate List or Annex XIV.

Not subject to PIC Reg. 649/2012 or POP Reg. 2019/1021.

Germany WGK: WGK 1 — Slightly hazardous to water (AwSV; ID No. 95)

SECTION 16: Other information

Code	Text
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

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