

MATERIAL SAFETY DATA SHEET

USA version v1.01 Revision Date 2022-1-5

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifiers

Product name : **Ethylacetate**
CAS-No. : 141-78-6
Alias name : Acetic Acid Ethyl Ester

1.2 Other identification methods

no data available

1.3 Relevant identified uses of the substance or mixture and uses advised against

no data available

1.4 Details of the supplier of the safety data sheet

Company : SHANGHAI LINPENG CHEMICAL TECHNOLOGY CO., LTD
NO. 300, LANE 3111 HUANCHENG WEST
ROAD, FENGXIAN DISTRICT,
SHANGHAI, CHINA

Telephone : +86 135 9870 4163
E-mail address : service@linpchemical.com

1.5 Emergency telephone number

Emergency Phone # : +86 135 9870 4163

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical hazards :

Flammable Liquids : Flam. Liq. 2

Health hazards

Serious eye damage : Eye Irrit. 2

Specific target organ toxicity - single exposure : STOT SE 3

2.2 GHS Label elements

Pictogram



GHS02:Flame;

GHS07:Exclamation Mark;

Signal word

【Danger】

Hazard statement(s)

H225

Highly Flammable liquid and vapour

H319

Causes serious eye irritation

H333

May be harmful if inhaled

H336

May cause drowsiness or dizziness

Precautionary statement(s)

P210

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338

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

RS

Hazard symbol(s)

F;Xi

R-phrase(s)

R11;R36;R66;R67

S-phrase(s)

S16;S26;S33

2.3 Other hazards - none

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula : C₄H₈O₂;CH₃COOC₂H₅

Molecular Weight : 88.11 g/mol

Composition ingredients (Substance)		Concentration
Ethylacetate		
CAS-No.	141-78-6	-
EC-No.	205-500-4	

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of immediate medical attention and special treatment needed

no data available

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Fire disaster Features

Flammable in the presence of a source of ignition when the temperature is above the flash point.

Keep away from heat/sparks/open flame/hot surface. No smoking.

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. - Carbon oxides

5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

no data available

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end uses

no data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The maximum allowed concentration

Composition ingredients	CAS-No.	Value	Control	standard
Ethyl acetate	141-78-6	PC-TWA	no data available	Permissible concentration-Time Weighted Average (China)
		no data available	no data available	no data available

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal

technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Splash protection Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: > 30 min Material tested: Butoject® (Aldrich Z677647, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form : clear, liquid Colour : colourless
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting/freezing point	-84 °C (-119 °F)
f) Initial boiling point and boiling range	76.5 - 77.5 °C (169.7 - 171.5 °F)
g) Flash point	-4.0 °C (26.6 °F) - closed cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	427 °C (801 °F)
j) Upper/lower flammability or explosive limits	2.2 %(V) 11.5 %(V)
k) Vapour pressure	97.3 hPa (73.0 mmHg) at 20.0 °C (68.0 °F)
l) Vapour density	no data available
m) Relative density	0.902 g/mL at 25 °C (77 °F)
n) Solubility / Water solubility	soluble

- | | |
|--|-------------------|
| o) Partition coefficient
noctanol/water | log Pow: 0.73 |
| p) Autoignition temperature(°C/°F) | 427.0 °C |
| q) Decomposition temperature | no data available |
| r) Viscosity | no data available |
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10 STABILITY AND REACTIVITY

10.2 Reactivity

no data available

10.3 Chemical stability

Stable under recommended storage conditions.

10.4 Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.5 Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.6 Incompatible materials

Strong oxidizing agents

10.7 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Oral LD50

LD50 Oral - rat - 5,620 mg/kg

Inhalation LC50

LC50 Inhalation - mouse - 2 h - 45,000 mg/m³

Dermal LD50

LD50 Dermal - rabbit - > 180,000 mg/kg

subAcute toxicity

no data available

Irritation

no data available

Skin corrosion/Irritation

no data available

Serious eye damage/eye irritation

no data available

AspirationHazard

no data available

Germ cell mutagenicity

no data available

Carcinogenicity、 IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

no data available

Potential health effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation. Vapours may cause
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.

Signs and Symptoms of Exposure

Central nervous system depression, Drowsiness, narcosis, anemia

Additional Information

RTECS: AH5425000

12 ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 350.00 - 600.00 mg/l - 96 h

LC50 - Pimephales promelas (fathead minnow) - 220.00 - 250.00 mg/l - 96 h

Toxicity to daphnia

and other aquatic

invertebrates

EC50 - Daphnia magna (Water flea) - 2,300.00 - 3,090.00 mg/l - 24 h

LC50 - Daphnia magna (Water flea) - 560 mg/l - 48 h

Toxicity to algae EC50 - Algae - 4,300.00 mg/l - 24 h

EC50 - SELENASTRUM - 1,800.00 - 3,200.00 mg/l - 72 h

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

Additional Information :

no data available

14 TRANSPORT INFORMATION

14.1 UN-Number

ADR/RID : 1173

IMDG : 1173

IATA : 1173

14.2 UN proper shipping name

ADR/RID : no data available

IMDG : no data available

IATA : no data available

14.3 Transport hazard class(es)

ADR/RID : 3

IMDG : 3

IATA : 3

14.4 Packaging group

ADR/RID : II

IMDG : II

IATA : II

14.5 Environmental hazards

ADR/RID :no data available

IMDG Marine pollutant :no data available IATA : no data available

14.6 Special precautions for users

no data available

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or

15.1 mixture

Chemical Safety Assessment

OSHA Hazards Flammable liquid, Target Organ Effect, Irritant SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Fire Hazard, Acute Health Hazard, Chronic Health Hazard Massachusetts Right To Know Components Ethyl acetate CAS-No. 141-78-6 Revision Date 2007-03-01 Pennsylvania Right To Know Components Ethyl acetate CAS-No. 141-78-6 Revision Date 2007-03-01 New Jersey Right To Know Components Ethyl acetate CAS-No. 141-78-6 Revision Date 2007-03-01 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16 OTHER INFORMATION

Further information

Copyright : no data available

no data available
