

SAFETY DATA SHEET: ETHYL ACETATE

MSDS No: TMC-ES-1173

1. IDENTIFICATION OF CHEMICAL PRODUCT

Name of substance: Ethyl Acetate

Chemical Family: Ester

Product Description: Colourless liquid with fruit-like odor.

Supplier: Transmare-Chemie (Singapore) Pte Ltd
No. 12 Soon Lee Road, Singapore 628076
Telephone: (65) 6262 0122
Facsimile: (65) 6262 0112
Email: sales@transmare-chemie.com
Website: www.transmare-chemie.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable Liquid

Category 2

Serious Eye Damage / Irritation

Category 2A

Specific Target Organ Toxicity
(Single Exposure)

Category 3 (Narcotic effects)

GHS Label Elements

Symbols:



Signal Word(s): Danger

GHS Hazards Statement

Physical Hazards:

H225: Highly Flammable Liquid and Vapor.

Health Hazards:

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Environmental Hazards:

Not classified as environmental hazards under GHS criteria.

GHS Precautionary Statement

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

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P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P303+P361+P353: If on Skin (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313: If eye irritation persists: Get medical advice/attention.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.

Disposal

P501: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

Other Hazards Which Do Not Result in Classification

N/A

Aggravated Medical Condition

N/A

3. COMPOSITION/ INFORMATION ON INGREDIENTS CAS NUMBER: 141-78-6

Chemical Name	CAS Number	Concentration
Ethyl Acetate	141-78-6	>99.5%

4. FIRST AID MEASURES

Inhalation, Skin Contact, Eye Contact, Ingestion



Medical attention. Emergency shower. Emergency eyewash.

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5. FIRE FIGHTING MEASURES
Appropriate Extinguishing Media:

- CO₂
- Alcohol Resistance Foam
- Dry Chemical
- Water Fog

Inappropriate Extinguishing Media:

- Water Jet

6. ACCIDENTAL RELEASE MEASURES

- Eliminate ignition sources. Prevent liquid enters sewers, water sources, low area.
- Spill with sand, earth. Dilute contained spill with water. Dispose recover material conforms to local regulation.
- Keep public away.

7. HANDLING AND STORAGE
Storage/ Transport Temperature:
 Ambient

Loading/ Unloading Temperature:
 Ambient

Ensure all equipment is electrically grounded before beginning transfer operations.
 Take precautionary measures against static discharge.
 Keep away from heat and sources of ignition.
 Avoid breathing mists or vapour. Avoid contact with skin.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
Engineering Control Measures/Ventilation

Use Local exhaust ventilation to control process.
 Provide mechanical ventilation of confined spaces.
 Use explosion-proof ventilation equipment.

Occupational Exposure Limits (OEL) Values

TWA: 400ppm
 STEL: 500ppm

Personal Protection

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Vapor respirator. Gloves. Goggles. Full suit. Footwear.

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Liquid
Form/Color:	Clear / Colourless
Odor:	Fruity
Flash Point (TCC ASTM D56):	-4°C
Boiling Point / Range:	77.2°C
Specific Gravity(20.0/20.0):	0.90
Density (15°C):	N/A
Freezing/Melting Point:	-83.6°C
Auto-ignition Temperature:	427°C
Evaporation Rate (n-Bu Acetate=1):	4.5
Vapor Pressure (20°C):	98.3hPa
Vapor Pressure (50°C):	379hPa
Viscosity (20°C):	0.45mPa.s
Solubility in Water (25°C):	80g/l
Explosive Limits (in air):	2 – 12.8vol%
Vapor Density (101.3kPa/air = 1):	3.04
Molecular Weight:	N/A
Coeff. Of Thermal Expansion (liq):	N/A
Odor Threshold:	N/A
pH:	N/A
Material Hygroscopic:	N/A
Log Kow: (n-Octanol/Water Partition Coefficient)	0.73

10. STABILITY AND REACTIVITY	
Hazardous Polymerization: Will not occur	Conditions to Avoid Polymerization: N/A
Stability: Stable	Conditions to Avoid Instability: N/A
Materials and Conditions to Avoid:	Strong oxidizing agents Avoid heat, flames, sparks, extremes of temperature and direct sunlight.
Hazardous Decomposition Products:	N/A

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11. TOXICOLOGICAL INFORMATION

Inhalation:	Severe exposure will cause symptoms of central nervous system restraints such as headache and dizziness.
Skin Contact:	N/A
Eye Contact:	Vapor and liquid may cause eye irritation.
Ingestion:	May effect throat and nose.

12. ECOLOGICAL INFORMATION

Environmental Mobility:	N/A
Environmental Degradability:	N/A
Ecotoxicity and Bioaccumulation:	N/A

13. DISPOSAL CONSIDERATIONS

- Combine with other materials to indicate another route of disposal.
- Recycle, recover or dispose empty drums through a suitably qualified or licensed contractor.
- Ensure compliance with national and local regulations.
- NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.
- This product is ash less and can be burned directly in appropriate equipment.
- Contact Transmare-Chemie or local Authorities for more information.

14. TRANSPORT INFORMATION

	Land	Sea	Air
Class	3	3	3
Packing Group	II	II	II
UN Number	1173	1173	1173
Transport Document Name	Ethyl Acetate, Class 3, PG II, UN1173, (-4°C c.c)	Ethyl Acetate, Class 3, PG II, UN1173, (-4°C c.c)	Ethyl Acetate
Others	Hazchem Code: 3YE	Marine Pollutant: No EmS: F-E, S-D Risk Label: 3	

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15. REGULATORY INFORMATION**Material is hazardous according to GHS Criteria****REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS**

- IECSC
- TSCA
- ENCS
- EINECS

16. OTHER INFORMATION**Revision Date on 27 February 2023**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of Transmare-Chemie Company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.