

SAFETY DATA SHEET: n-Propyl Acetate

MSDS No: TMC-ES-1276

1. IDENTIFICATION OF CHEMICAL PRODUCT

Name of substance: n-Propyl Acetate **Chemical Family:** Ester

Product Description: Clear, colourless liquid.

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
Aquatic Toxicity (Acute)	Category 3
Specific Target Organ Toxicity (Single Exposure)	Category 3

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.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.

Environmental Hazards:

H402: Harmful to aquatic life.

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.

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P243:	Take precautionary measures against static discharge.
P261:	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264:	Wash hands thoroughly after handling.
P271:	Use only outdoors or in a well-ventilated area.
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.
P337+P313:	If eye irritation persists: Get medical advice/attention.
P370+P378:	In case of fire: Use appropriate media for extinction.
P304+P340:	If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312:	Call a POISON CENTER or doctor/physician if you feel unwell.
Storage:	
P403+P235:	Store in a well-ventilated place. Keep cool.
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: 109-60-4
Chemical Name	CAS Number	Concentration
n-Propyl Acetate	109-60-4	>99.5%

4. FIRST AID MEASURES	
Inhalation, Skin Contact, Eye Contact, Ingestion	
 <i>Medical attention. Emergency shower.</i>	 <i>Emergency eyewash.</i>

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5. FIRE FIGHTING MEASURE
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: 200ppm
 TLV-STEL: 250ppm

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
Odor:	Fruity
Flash Point (TCC ASTM D56):	12 °C
Boiling Point / Range:	101.6 °C
Specific Gravity(20.0/20.0):	N/A
Density (15°C):	0.887
Freezing/Melting Point:	-92 °C
Auto-ignition Temperature:	450 °C
Evaporation Rate (Ether=1):	6.1
Vapor Pressure (25°C):	25mmHg
Viscosity (20°C):	N/A
Solubility in Water (20°C):	18.9g/100ml
Explosive Limits (in air):	1.7 – 8%
Vapor Density (101.3kPa/air = 1):	3.52
Molecular Weight:	N/A
Coeff. Of Thermal Expansion (liq):	N/A
Odor Threshold:	0.048 – 0.7ppm (detect) 0.14 – 26ppm (perceive)
pH:	N/A
Material Hygroscopic:	N/A
Log Kow: (n-Octanol/Water Partition Coefficient)	1.24

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 contact with heat, open flames, sparks or ignition sources.
Hazardous Decomposition Products:	Acetic acid and n-Propanol

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11. TOXICOLOGICAL INFORMATION

Inhalation:	Irritation to respiratory tract. May cause dizziness. May affect central nervous system.
Skin Contact:	Defat, dry skin. Low order of toxicity.
Eye Contact:	May cause discomfort to the eyes. Will not injure eye tissue.
Ingestion:	Minimal toxicity, small amounts may cause bronchopneumonia or pulmonary edema.

12. ECOLOGICAL INFORMATION

Environmental Mobility:	Into the ground water and volatile ASPS
Environmental Degradability:	Might decompose in the water.
Ecotoxicity and Bioaccumulation:	May not cause bioaccumulation.

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	1276	1276	1276
Transport Document Name	n-Propyl Acetate, Class 3, PG II, UN1276 (12°C c.c.)	n-Propyl Acetate, Class 3, PG II, UN1276, (12°C c.c.)	n-Propyl Acetate
Others	Hazchem Code: N/A	Marine Pollutant: No EmS: F-E, S-D Risk Label: 3	

15. REGULATORY INFORMATION

Material is Hazardous according to UN GHS Criteria.

REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS

- AICS
- ENCS
- ISHL
- DSL
- PICCS
- KECI
- IECSC
- INSQ
- NZIoC
- CHINV
- NECIL

16. OTHER INFORMATION**Revision Date on 15th April 2024**

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.