

**SAFETY DATA SHEET: n-Butyl Acetate**

MSDS No: TMC-ES-1123

**1. IDENTIFICATION OF CHEMICAL PRODUCT**

**Name of substance:** N-Butyl Acetate | **Chemical Family:** Ester

**Product Description:** Colourless liquid with characteristic "fruity" 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](mailto:sales@transmare-chemie.com)  
Website: [www.transmare-chemie.com](http://www.transmare-chemie.com)

**2. HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION:**

Flammable Liquid	Category 3
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3 (Central nervous system)
Aquatic Toxicity (Acute)	Category 3

**GHS Label Elements**

**Symbols:**



**Signal Word(s):** Warning

**GHS Hazards Statement**

**Physical Hazards:**

H226: Flammable Liquid and Vapor

**Health Hazards:**

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.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
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.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.

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<p>P273: Avoid releasing to the environment.</p> <p><b>Storage:</b>  P403+P235: Store in a well-ventilated place. Keep cool.  P233: Keep container tightly closed.  P405: Store locked up.</p> <p><b>Disposal</b>  P501: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.</p> <p><b>Other Hazards Which Do Not Result in Classification</b>  N/A</p> <p><b>Aggravated Medical Condition</b>  N/A</p>
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3. COMPOSITION/ INFORMATION ON INGREDIENTS		CAS NUMBER: 123-86-4
Chemical Name	CAS Number	Concentration
n-Butyl Acetate	123-86-4	>99%

4. FIRST AID MEASURES	
<p><b>Inhalation, Skin Contact, Eye Contact, Ingestion</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Medical attention. Emergency shower.</p> </div> <div style="text-align: center;">  <p>EMERGENCY SHOWER</p> </div> <div style="text-align: center;">  <p>EMERGENCY EYE WASH</p> </div> </div> <p style="text-align: right; margin-right: 100px;"><i>Emergency eyewash.</i></p>	

5. FIRE FIGHTING MEASURE
<p><b>Appropriate Extinguishing Media:</b></p> <ul style="list-style-type: none"> <li>- CO<sub>2</sub></li> <li>- Alcohol Resistance Foam</li> <li>- Dry Powder</li> <li>- Water spray</li> </ul> <p><b>Inappropriate Extinguishing Media:</b></p> <ul style="list-style-type: none"> <li>- Water Jet</li> </ul>

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**6. ACCIDENTAL RELEASE MEASURES**

- Use personal protective equipment. Do not breathe vapours or spray mist. Ensure adequate ventilation. Keep away from sources of ignition - No smoking.
- Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). The material taken up must be disposed of in accordance with regulations.

**7. HANDLING AND STORAGE**

**Storage/ Transport Temperature:**  
Ambient

**Loading/ Unloading Temperature:**  
Ambient

Wear personal protective equipment.  
Keep containers tightly closed in a cool, well-ventilated  
Keep away from heat and sources of ignition.  
Avoid contact with skin and eyes.

**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**

- ACGIH

TWA: 50 ppm  
STEL: 150 ppm

-SG OEL

PEL(Long term): 150ppm  
PEL(Short term): 200ppm

**Personal Protection**



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

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Liquid
Form/Color:	Clear / Colourless
Odor:	Characteristic "Fruity" odor
Flash Point (TCC ASTM D56):	24 °C
Boiling Point / Range:	126.1 °C
Specific Gravity(20.0/20.0):	N/A
Density (20°C):	0.881g/ml
Freezing/Melting Point:	-78 °C
Auto-ignition Temperature:	415°C
Evaporation Rate (n-Bu Acetate=1):	1.0
Vapor Pressure (20°C):	15hPa
Vapor Pressure (50°C):	63hPa
Viscosity (25°C):	0.685mPa.s
Solubility in Water (20°C):	Miscible with Ethanol, Diethyl ether, Acetone, Chloroform
Explosive Limits (in air):	1.3 – 7.5vol%
Vapor Density (101.3kPa/air = 1):	4.0
Molecular Weight:	116.6g/mol
Coeff. Of Thermal Expansion (liq):	N/A
Odor Threshold:	7 – 20ppm
pH:	6.2
Material Hygroscopic:	Yes
n-Octanol Water/Partition Coefficient:	2.3

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## 10. STABILITY AND REACTIVITY

<b>Hazardous Polymerization:</b> No	<b>Conditions to Avoid Polymerization:</b> N/A
<b>Stability:</b> Stable	<b>Conditions to Avoid Instability:</b> N/A
<b>Materials and Conditions to Avoid:</b>	Strong oxidizing agents, heat, acids, bases & reducing agents.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition products may include oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	May cause drowsiness or dizziness.
<b>Skin Contact:</b>	Causes dry skin.
<b>Eye Contact:</b>	Essentially non-irritating.
<b>Ingestion:</b>	Non-toxic

## 12. ECOLOGICAL INFORMATION

<b>Environmental Mobility:</b>	N/A
<b>Environmental Degradability:</b>	N/A
<b>Ecotoxicity and Bioaccumulation:</b>	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 Company or local Authorities for more information.

## 14. TRANSPORT INFORMATION

	Land	Sea	Air
<b>Class</b>	3	3	3
<b>Packing Group</b>	III	III	III
<b>UN Number</b>	1123	1123	1123
<b>Transport Document Name</b>	Butyl Acetates, Class 3, UN 1123, PG III (24 °C c.c.)	Butyl Acetates, Class 3, UN 1123, PG III (24 °C c.c.)	Butyl Acetates.
<b>Others</b>	<b>Hazchem Code:</b> 3Y	<b>Marine Pollutant:</b> No <b>EmS:</b> F-E, S-D <b>Risk Label:</b> 3	

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**15. REGULATORY INFORMATION**

**Material is hazardous according to GHS Criteria.**

**REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS**

Listed or exempted from listing/notification on the following chemical inventories:

(May contain substance(s) subject to notification to the EPA Active TSCA Inventory prior to import to USA)

- AICS
- DSL
- IECSC
- EINECS
- ENCS
- ISHL
- KECI
- NZIoC
- PICCS
- TSCA

**16. OTHER INFORMATION****Revision Date on 15 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.