

SAFETY DATA SHEET: BUTYL GLYCOL

MSDS NO: TMC-GE-BC

1. IDENTIFICATION OF CHEMICAL PRODUCT

Name of substance: Butyl Glycol **Chemical Family:** Glycol Ether

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:

Serious Eye Damage / Irritation	Category 2
Skin Corrosion / Irritation	Category 2
Acute Toxicity Oral	Category 4
Acute Toxicity Inhalation	Category 4
Acute Toxicity (Dermal)	Category 4

GHS Label Elements

Symbols:



Signal Word(s): Warning

GHS Hazards Statement

Physical Hazards:

N/A

Health Hazards:

H319: Causes serious eye irritation.
H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled.
H315: Causes skin irritation.

Environmental Hazards: Not classified as environmental hazard under GHS criteria.

GHS Precautionary Statement

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink, or smoke while product is in use.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.




Response:

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P301+P312+330:	If Swallowed: Call a Poison Center or doctor/physician if you feel unwell. Rinse mouth.
P302+P352:	If on Skin: Wash with plenty of soap and water.
P304+P340+P312:	If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call poison center /doctor if you feel unwell.
P305+P351+P338:	If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+P313:	If Skin Irritation occurs: Get medical advice/attention.
P337+P313:	If eye irritation persists: Get medical advice/attention.
P362:	Take off contaminated clothing and wash before reuse.
Storage:	N/A
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: 111-76-2
Chemical Name	CAS Number	Concentration
Butyl Glycol	111-76-2	>=90% - <=100 %

4. FIRST AID MEASURES	
<p>Inhalation, Skin Contact, Eye Contact, Ingestion</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Medical attention.</p> </div> <div style="text-align: center;">  <p>Emergency shower.</p> </div> <div style="text-align: center;">  <p>Emergency eyewash.</p> </div> </div> <p>For ingestion: Do not induce vomiting, drink milk or water to dilute stomach content if victim is conscious.</p>	

5. FIRE FIGHTING MEASURE

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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

- Butyl Glycol
 - PEL: 25ppm – SG OEL
 - TWA: 20ppm - ACGIH

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:	Mild
Flash Point):	69 °C
Boiling Point / Range:	164 °C -177 °C
Specific Gravity (20.0/20.0):	N/A
Density (15°C):	0.9057 g/cm ³
Freezing/Melting Point:	<-60 °C
Auto-ignition Temperature:	300 °C
Evaporation Rate (n-Bu Acetate=1):	0.06
Vapor Pressure (20°C):	0.8 hPa
Dynamic Viscosity (20°C):	3.458 mPa.s
Kinematic Viscosity (40°C):	2.275 mm ² /s
Solubility in Water (20°C):	Soluble
Explosive Limits (in air):	N/A
Vapor Density (101.3kPa/air = 1):	N/A
Molecular Weight:	118.2g/mol
Coeff. Of Thermal Expansion (liq):	N/A
Odor Threshold:	N/A
pH:	4.3
Material Hygroscopic:	N/A
Flammability Limits:	N/A
Log Pow: (n-Octanol/Water Partition Coefficient)	N/A

10. STABILITY AND REACTIVITY	
Hazardous Polymerization: Will not occur	Conditions to Avoid Polymerization: N/A
Stability: Stable	Conditions to Avoid Instability: Contact with air, long standing (peroxide formation)
Materials and Conditions to Avoid:	Strong oxidizing agents.

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Hazardous Decomposition Products:	Aldehydes, Ketones, Organic acids, Carbon Monoxide.
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11. TOXICOLOGICAL INFORMATION

Inhalation:	N/A
Skin Contact:	Skin irritation (Rabbit; Exposure 4h)
Eye Contact:	Irritating to eyes (Rabbit)
Ingestion:	N/A

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

This product is not regulated for land (road, trail), sea and air transport.

15. REGULATORY INFORMATION

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National Laws and Regulations:

1. Workplace Safety and Health Act & Workplace Safety and Health (General Provision) Regulations

This product is subjected to the SDS, Labelling, PEL and other requirements in the Act/Regulations.

REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS

- REACH
- DSL
- AICS
- NZIOC
- ENCS
- ISHL
- KECI
- PICCS
- IECSC
- TCSI
- TSCA

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.