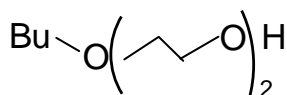




Trade name DIETHYLENE GLYCOL MONOBUTYLEETHER - P

Chemical Name DIETHYLENE GLYCOL MONOBUTYL ETHER

Chemical Structure $\text{CH}_3(\text{CH}_2)_3\text{O}(\text{CH}_2\text{CH}_2\text{O})_2\text{H}$



Molecular Formula $\text{C}_8\text{H}_{18}\text{O}_3$

Molecular Weight 162.2

CAS No. 112-34-5

EINECS No. 203-961-6

TSCA On Inventory

| Specification | Item | Unit | Specification | Method |
|---------------|----------------------------|------------------|---------------|------------|
| | Appearance | | Clear Liquid | |
| | Color | APHA | 15 max. | JIS K 0071 |
| | Specific Gravity (20/20°C) | | 0.952 - 0.956 | JIS K 0061 |
| | Purity | Wt % | 99.0 min. | JIS K 0114 |
| | Water Content | Wt % | 0.10 max. | JIS K 0068 |
| | Distillation test | I.B.P. | 222°C min. | JIS K 0066 |
| | | D.R. (223-231°C) | 95 ml min. | JIS K 0066 |
| | | D.P. | 232°C max. | JIS K 0066 |
| | Free Acid (as acetic acid) | % | 0.01 max. | JIS K 0070 |

| Physical Property | Item | Unit | |
|-------------------|---------------------------------|---------|-----------------------|
| | Boiling Point | °C | 230.6 |
| | Specific Gravity (20/20°C) | | 0.954 |
| | Melting Point | °C | -68.1 |
| | Refractive Index (n_D^{20}) | | 1.430 |
| | Viscosity (20°C) | mPa·s | 5.8 |
| | Flash Point (open cup) | °C | 117 |
| | Vapor Density (Air=1) | °C | 5.6 |
| | Explosion Limits | Vol% | 0.4 – 24.6 |
| | Ignition Point | °C | 204 |
| | Solubility (in Water 20°C) | g/100g | Completely Soluble |
| | Specific Heat (20°C) | J/mol·K | 371.44 |
| | Surface Tension (25°C) | N/cm | 3.36×10^{-4} |

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| | | | | |
|--|--|--|-------|-----------|
| Health Hazards | Acute toxicity data on BUTYL ALCOHOL | | | |
| | Acute Toxicity | LD50(oral) | mouse | 2.406g/Kg |
| Emergency and First Aid Procedure | 1)Skin Contact | Remove contaminated clothing. Wash the affected area with plenty of clean water and soap. If irritation develops, see a physician. | | |
| | 2)Eye Contact | Flash eyes with plenty of clean water for at least 15 minutes while holding eyelids open. If irritation develops, see a physician. | | |
| | 3)Inhalation | If a large amount is inhaled, remove individual(s) to fresh air. | | |
| Storage | Tighten the cap of container and store in a cool, dry, well-ventilated, storage area of cabinet. | | | |
| Extinguishing Media | Water spray, Dry chemicals, Protein type air foams or carbon dioxide. | | | |
| Packing | 20MT | ISO-Container | | |
| | 190Kg | Steel drum with Polyethylene Inner Container / Plastic Drum | | |

| | | | |
|--|--|--|---|
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