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Technical Data Sheet

Hefei TNJ Chemical Industry Co.,Ltd.

B910-911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

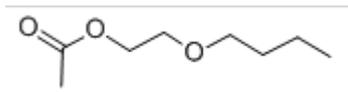
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Butyl Glycol Acetate (BGA)

Product Information

Chemical Name	Butyl Glycol Acetate (BGA)
CAS #	112-07-2
Formula	C8H16O3
Synonym	Ethylene glylol butylether acetate, 2-Butoxyethyl acetate Ethylene Glycol Monobutyl Ether Acetate

Chemical Structure



Description

Butyl Glycol Acetate (BGA) is an organic compound with the chemical formula $\text{BuOC}_2\text{H}_4\text{OH}$ ($\text{Bu}=\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2$). This colorless liquid has a sweet, ether-like odor, as it derives from the family of glycol ethers, and is a butyl ether of ethylene glycol. As a relatively nonvolatile, inexpensive solvent of low toxicity, it is used in many domestic and industrial products because of its properties as a surfactant.

Physical Properties

Melting point	- 63°C
Boiling point	192 °C(lit.)
Flashing point	169 °F
Density	0.942 g/mL at 25 °C(lit.)

Specification

Items	Specification
Appearance	Colorless transparent liquid
Assay,%	≥ 99.0
Water, t.-%	≤ 0.10
Acidity(HAC),%	≤ 0.03
Color(Pt-Co)	≤ 15

Safety

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety

Applications

Commercial uses

Butyl Glycol Acetate (BGA) is a solvent for paints and surface coatings, as well as cleaning products and inks. Products containing Butyl Glycol Acetate (BGA) are commonly found at construction sites, automobile repair shops, print shops, and facilities that produce sterilizing and cleaning products. It is the main ingredient of many home, commercial and industrial cleaning solutions. Since the molecule has both non-polar and polar ends, butoxyethanol is useful for removing both polar and non-polar substances, like grease and oils. It is also approved by the U.S. FDA to be used as direct and indirect food additives, which include antimicrobial agents, defoamers, stabilizers, and adhesives.

In the petroleum industry

In the petroleum industry, Butyl Glycol Acetate (BGA) is a component of fracturing fluids, drilling stabilizers, and oil slick dispersants for both water-based and oil-based hydraulic fracturing clarification needed. When liquid is pumped into the well, the fracturing fluids are pumped under extreme pressure, so Butyl Glycol Acetate (BGA) is used to stabilize them by lowering the surface tension. The compound is also used to facilitate the release of the gas by preventing congealing. It is also used as a crude oil-water coupling solvent for more general oil well workovers. Because of its surfactant properties.

Packaging

190kg/galvanized drum,
80drums(15.2mt)/20" container without pallet
80drums(15.2mt)/20" container with pallet (4drum/pallet)

Storage & Handling

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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