

Technical Data Sheet (TDS)

1. Product Overview

- Product Name:2-Butoxyethanol
- English Name:2-Butoxyethanol
- CAS Number:111-76-2
- Formula:C₆ H₁₄O₂
- Molecular Weight:118.17 g/mol
- Product Characteristics:High-purity colorless liquid, mild ether-like odor, excellent solvency. Soluble in water and most organic solvents, low volatility. Stable under normal use, widely used as industrial solvent.

2. Technical Specifications

Item	Specification
Appearance	Colorless liquid
Purity (C ₆ H ₁₄ O ₂)	≥ 99.0%
Boiling Point	171-173°C
Melting Point	-74°C
Water Content	≤ 0.3%
Refractive Index (25°C)	1.4160-1.4180
Flash Point (Closed Cup)	61°C
Density (25°C)	0.890-0.895 g/cm ³
Viscosity (25°C)	3.0-3.5 mPa s
Solubility (20°C)	≥ 9 g/100 mL (water)

3. Product Advantages

- High purity and strong solvency for resins, oils, and dyes.
- Good compatibility with water and organic solvents.
- Low volatility and stable performance at room temperature.
- Cost-effective for large-scale industrial use.

4. Application Fields

- Coatings & Inks:Solvent for alkyd, epoxy, and latex coatings; ink solvent and thinner.
- Cleaning Products:Industrial cleaners (metal, glass), degreasers.
- Chemical Synthesis:Intermediate for pharmaceuticals, pesticides, surfactants.
- Other:Hydraulic fluids, textile dyeing auxiliaries, paint removers.

5. Usage Methods

- Coatings:Add 15-40% (mass ratio) to coating formulation; mix evenly.
- Cleaning:Use neat or dilute with water (1:5-1:20) for degreasing/cleaning.
- Chemical Synthesis:Use in specified molar ratios; react at 20-100°C.
- Optimal Conditions:Apply at 15-40°C; avoid strong oxidizing agents and open flames.



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

6. Packaging & Storage

- Packaging:20 kg HDPE drums, 200 kg HDPE drums, 1000 kg IBC totes.
- Storage:Cool, well-ventilated warehouse ($\leq 30^{\circ}\text{C}$); keep sealed; away from oxidizing agents, heat, sparks.
- Shelf Life:24 months (unopened).
- Transportation:Handle as UN1170; avoid collision, sunlight, open flames.

7. Safety & Protection

- Wear nitrile gloves, safety goggles, and respirator (vapor exposure) during handling.
- Operate in well-ventilated area; no smoking nearby.
- Avoid prolonged skin contact and ingestion; rinse immediately if contact occurs.

8. Quality Assurance

- Manufactured under ISO 9001 quality management system.
- Each batch accompanied by COA.
- Provide technical support for application and formulation.



纳维盈医化科技
NEWAY SINOPHC TECH