



Specialized in chemicals

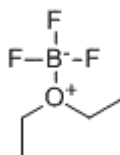
Hefei TNJ Chemical Industry Co.,Ltd.
B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China
Tel : (0086) 551 5418695
Fax: (0086) 551 5418697
Email: info@tnjchem.com
Site: www.tnjchem.com

Technical Data Sheet

Boron trifluoride etherate

Product Information

Product Name	Boron trifluoride etherate
Synonyms	Boron trifluoride diethyl etherate; Boron trifluoride ethyl ether; Boron trifluoride diethyl ether complex; BF3 etherate
CAS No.	109-63-7
EINECS No.	203-689-8
Molecular formula	C4H10BF3O
Molecular weight	141.93
Chemical structure	



Physical Properties

Appearance	Colorless or yellowish transparent liquid, with a pungent smell.
Density	1.15 g/mL
Melting Point	-58°C
Boiling point	126-129°C
Flashing point	118°F
Refractive index	n ₂₀ /D 1.344
Water solubility	Reacts
Vapor density	4.9 (vs air)

Specification

<u>Items</u>	<u>Specification</u>
Appearance	Colorless or yellowish transparent liquid

Assay	46.8-47.8%
Water	≤0.5%
Specific gravity	1.120 ~ 1.140g/m l

Safety

Boron trifluoride etherate belongs to class 8 dangerous cargo on transportation
Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1) Boron trifluoride etherate is used for organic synthesis of alkylation and condensation reaction catalyst (such as butadiene rubber, polyformaldehyde, coumarone, synthetic resins, etc.)
- 2) Boron trifluoride etherate is used for manufacturing high-energy fuel boron hydrogen or boron isotope extraction of the basic raw material.
- 3) Boron trifluoride etherate also used as epoxy resin curing agent.

Packaging

200kg per steel drum;
Total 16MT per 20ft container with pallets (without pallets)

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep from any possible contact with water. Do not allow water to get into container because of violent reaction.
Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

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

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 5418677
Fax: (0086) 551 5418697
Email: info@tnjchem.com
Site: www.tnjchem.com