



Boron Trifluoride Product Overview

For over 70 years, Honeywell has been the trusted source for Boron Trifluoride (BF_3) supply. The Honeywell team provides expertise in the manufacture, transport, delivery, and safe handling of BF_3 .

The #1 Choice for BF₃ Gas and Complex

Our high-performance BF₃ commercial and technical services team is focused on your success. Our production experience, robust supply chain, large fleet, and product stewardship commitment gives us the ability to meet your expectations.



Benefits of using Honeywell BF₃ include:

- Reliable supply and multiple inventory locations
- Experienced and dedicated technical service support
- Large modern fleet built and maintained to Honeywell standards with dedicated drivers
- Superior supply chain with redundancies
- Emergency response expertise
- High quality products – ISO 9001 certified

	BF ₃	BF ₃ Methanol Complex	BF ₃ Ether Complex
UN ID Number	UN 1008	UN 2922	UN 3286
Shipping Information	Toxic, Corrosive	Corrosive liquid, Toxic, NOS	Flammable Liquid, Toxic, Corrosive, NOS
Shipping Name	Boron Trifluoride	Boron Trifluoride Methanol Complex	Boron Trifluoride Diethyl Etherate
Form	Compressed Gas	Liquid	Liquid
Color	Dense white cloud if exposed to moisture	Colorless to yellowish	Colorless to pale yellow
Odor	Strong pungent	Strong pungent	Strong pungent
Chemical Formula	BF ₃	CH ₄ BF ₃ O	C ₄ H ₁₀ BF ₃ O
Boiling Point	-148°F / -100°C	Not determined	258.3°F / 125.7°C
Melting Point	-199.1°F / -128.4°C	Not determined	-76.7°F / -60.4°C
Flash Point	Not applicable	154°F / 67.8°C	< 50°F / < 10°C
Molecular Weight	67.81 g/mol	99.8 g/mol	141.94 g/mol

Learn more

To discuss your BF₃ requirements, contact your Honeywell Account Manager or BF₃ Technical Services Manager.

For more information visit www.honeywell-BF3.com

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