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Typical Product Specifications & Properties

Phosphorus tribromide

CAS Number: : 7789-60-8

Specifications	Limits
Molecular weight	270.69
EINECS	232-178-2
SMILES	P(Br)(Br)Br
InChI	1S/Br3P/c1-4(2)3
InChIKey	IPNPIHIZVLFAFP-UHFFFAOYSA-N
Flash Point	172.9°C
Merck	14,7357
Storage Temperature	-20°C
Stability	Stable, but reacts violently with water. Incompatible with moisture, strong bases, strong oxidizing agents, reactive metals, acids, alcohols.
Melting Point	-40 °C
Sensitive	Moisture Sensitive
Freezing Point	-40?



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Specifications	Limits
Water solubility	reacts
BRN Number	3903060
Density	2.88 g/mL at 20 °C
Boiling Point	175 °C
Vapor Pressure	0.27 psi (54 °C)
Refractive Index	1.697



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