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Typical Product Specifications & Properties

Magnesium nitrate hexahydrate

CAS Number: : 13446-18-9

Specifications	Limits
Molecular weight	256.41
EINECS	231-104-6
SMILES	[Mg+2].[N+](=O)([O-])[O-].O.[N+](O-)([O-])=O.O.O.O.O.O
InChI	MFUVDXOKPBAHMC-UHFFFAOYSA-N
InChIKey	1S/Mg.2NO3.6H2O/c;2*2-1(3)4;...../h;6*1H2/q+2;2*-1;.....
Solubility	H2O: 1 M at 20 °C, clear, colorless
Melting Point	89 °C
Vapor Density	6
Sensitive	Hygroscopic
Water solubility	420 g/L (20 °C)
Vapor Pressure	1 mm Hg (621 °C)
Flash Point	-26 °F



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Specifications	Limits
Stability	Stable. Strong oxidizer - contact with organic material may lead to fire. Do not store near combustible materials. Incompatible with combustible materials, organics, strong reducing agents.
Merck	14,5674
Form	turnings
Storage Temperature	2-8°C
Boiling Point	330 °C
Flash Point	-26 °F
Density	1.63



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