

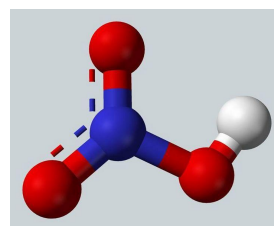
Technical Data Sheet

Basic information

Chemical name	Nitric acid
Synonyms	N/A
CAS.No.	7697-37-2
EINECS No.	231-714-2
Molecular weight	63.01

Formula HNO₃

Chemical structure



Physical properties

Appearance	Colorless liquid
Density, 25°C, g/cm ³	1.43
Melting point, °C	-42
Boiling point, °C	83
Solubility	soluble in water
Stability	Air Sensitive

Specification

Items	Specification
Assay, %	≥68.0
HNO ₂ , %	≤0.10
Ignition residue, %	≤0.01

Application

Nitric acid is an essential chemical raw material, primarily used in the production of ammonium nitrate, calcium ammonium nitrate, nitrophosphate fertilizers, and compound fertilizers such as NPK (nitrogen, phosphorus, and potassium). It is also a necessary raw material for manufacturing nitrate-based nitrogen fertilizers (e.g., ammonium nitrate, potassium nitrate), aqua regia, nitroglycerin, nitrocellulose, nitrobenzene, picric acid, and nitrate esters. Additionally, it is used in the production of nitro-based explosives.

Package

- 1350kg/IBC, 21.6mt per 20'ft container ;



Safety on transportation

It belongs to hazard class 8(5.1) goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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