Summary Technical Data Sheet

Nitric Acid 42º Bé

Product Name: Nitric Acid 42º Bé
CAS Number: 7697-37-2
Formula: HNO_3
Molecular weight: 63.012 g/mol
Appearance: colorless liquid
Boiling Point: 120.5 °C
Melting Point: -41.6 °C
Density: 1.40 g/cm^3
Solubility: soluble in water

Typical Product Specifications

Properties	Specifications
Assay	67.0-67.9 %
Color, APHA	≤ 10

Nitric Acid 42º Bé is equivalent to a 67 % solution of nitric acid in water. Nitric acid, (HNO_3) is a strong acid and a powerful oxidizing agent that is a highly corrosive liquid. It is used in the manufacturing of fertilizers and explosives. Nitric acid is used in the nitration of toluene and glycerol to produce explosives nitroglycerin and trinitrotoluene (TNT), preparation of nitrocellulose, and oxidation of metals. It reacts with metals, oxides, and hydroxides, producing nitrate salts. Nitric acid also has applications in chemical processing of dyes, in metallurgy, etching of steel, and reprocessing of spent nuclear fuel.

Storage and Handling:	Keep containers tightly closed in a cool, ventilated place.
	Do not store near combustible materials.
Packaging:	77 kg, 280 kg
Transport Regulations:	UN2031. Class 8. Packing Group II.

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

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