

TECHNICAL DATA SHEET

Nitric Acid | CAS 7697-37-2

1. Product Identification

Product Name	Nitric Acid
CAS Number	7697-37-2
Synonyms	Aqua fortis, HNO ₃ , Nitric acid fuming
Category	Acid
Available Grades	Technical/68%/LR/AR
HSN Code	2808.00
UN Number	UN2031

2. Physical & Chemical Properties

Molecular Formula	HNO ₃
Molecular Weight	63.01
Appearance	Colourless to pale yellow fuming liquid
Density	1510 kg/m ³
Boiling Point	83°C (azeotrope)
Melting Point	-42°C
Flash Point	None
Solubility	Miscible with water

3. Applications

• Fertilizer production • Explosives manufacturing • Metal etching • Organic synthesis • Stainless steel passivation • Lab reagent

4. Industries Served

Chemical, Mining, Pharmaceutical, Metal, Research

5. Packing & Supply

Standard industrial packing. Bulk and customised packing available on request. Export supply with full documentation (COA, MSDS, COO, Packing List).

Values are typical and given in good faith as a guide to product characteristics; they do not constitute a specification or guarantee. Refer to the batch COA for certified values.