



Product Specification

Product Name: NITRIC ACID 68% w/w TG

Alternate Name(s)

Description

Transparent colourless or yellowish, fuming, suffocating, hygroscopic, corrosive liquid. NOTE: This material may darken during storage due to photochemical reactions.

Properties

Chemical Formula: HNO₃

Molecular Weight: 63.01

Product Code: NT001

CAS No. 7697-37-2

General Information:

Highly corrosive to most metals. Not combustible; powerful oxidant; may cause fire in contact with organic materials, evolving highly toxic gases.

Hazard and Safety Data

UN Group: II
Class: 8, 5.1
UN Number: 2031
Hazchem code: 2R
CS MSDS Code: 1CHGO
Poison schedule: S6
Emergency
Procedure Guide No.: 40

Quality Specification

Assay: 67.5% min.

Specific Properties and Impurities [Typical levels]:

Boiling Point	122 °C
Melting Point	-42 °C
Viscosity	0.761 cP (25 °C)
pH Value	<1 (20 °C)
Vapour Density	2-3 (Air = 1)
Specific gravity at 20°C	1.405 min.
Nitrous acid	≤ 0.01%

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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