

NITRIC ACID-40%

40% SOLUTION

**NITRIC
ACID**

Chemical & Physical Properties

Chemical Formula	HNO ₃
CAS Number	7697-37-2
Specific Gravity @ 68°F (15.5°C)	1.2463
Baumé	28.63 B°
Boiling Point	235°F (113°C)
Weight	10.40 lbs./gal (1.25 kg/L)
Color	Colorless to pale yellow
Freezing Point	< 0°F

Typical Analysis

Nitric Acid (HNO ₃)	40.0%
Sulfate (SO ₄)	8-12 ppm
Chloride (Cl)	< 20 ppm
Oxides of Nitrogen (NO _x)	50 - 300 ppm
Iron (Fe)	< 5 ppm
Zinc (Zn)	< 5 ppm
Lead (Pb)	< 1 ppm

Description

Nitric Acid - 40.0%, is a colorless to pale-yellow colored, corrosive liquid, with an acrid odor. Nitric Acid has also been treated to remove most of the free nitrous oxides. Nitric Acid uses include: manufacturing of ammonium nitrate and other nitrate salts, adipic acid, isocyanates, nitrotoluene, nitrobenzenes, nitrocellulose, explosives, industrial cleaning components, and pickling of stainless steel.

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