

NITRIC ACID-51%

51% SOLUTION

**NITRIC
ACID**

Chemical & Physical Properties

Chemical Formula	HNO ₃
Molecular Weight	63.01 g/mol
Specific Gravity @ 68°F (20°C)	1.32
Baumé	35°Bé
Odor	Acrid
Boiling Point	235°F (113°C)
Weight	10.99 lbs/gal (1.32 kg/L)
Color	Colorless to pale yellow
Freezing Point	< 0°F

Typical Analysis

Nitric Acid (HNO ₃)	51.0%
Sulfate (SO ₄)	≤ 10 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

Regulatory Information

CAS Number	7697-37-2
Identification Number	UN2031
DOT	Corrosive Liquid

Description

Nitric Acid 51% is a high-purity nitric acid solution produced by TradeMark Nitrogen for industrial, mining, municipal, agricultural, and specialty chemical applications. Typical uses include ammonium nitrate production, nitrate salt manufacturing, metal nitrate synthesis, stainless steel pickling, industrial cleaning, pH adjustment, and chemical processing operations.

The data presented herein are believed to be accurate but are in no way guaranteed. TradeMark Nitrogen Corp. makes no warranties, express or implied, that any of the above data is fit for any particular use and expressly disclaims all oral warranties of any kind.



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