



# Product Specification

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## NITRIC ACID EL

PRODUCT CODE	756355	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(7697-37-2)	
ATOMIC OR MOLECULAR FORMULA	HNO <sub>3</sub>	HNO <sub>3</sub>
ATOMIC OR MOLECULAR WEIGHT	63.01	
PROPERTIES	Hygroscopic, strong oxidizing agent.	
PARAMETER	LIMIT	
Description	Clear colourless liquid with not more than 10Hazen units.	
Solubility	Miscible with water, forming clear & colourless solution.	
Minimum assay (acidimetric)	69 - 71%	
MAXIMUM LIMIT OF IMPURITIES		
Chlorides (Cl)	0.000008%	
Phosphates (PO <sub>4</sub> )	0.00002%	
Sulphates (SO <sub>4</sub> )	0.00005%	
Aluminium (Al)	0.0000005%	
Antimony (Sb)	0.0000005%	
Arsenic (As)	0.000001%	
Barium (Ba)	0.000001%	
Beryllium (Be)	0.000001%	
Bismuth (Bi)	0.000001%	
Boron (B)	0.000001%	
Cadmium (Cd)	0.0000005%	
Calcium (Ca)	0.000001%	
Chromium (Cr)	0.000001%	
Cobalt (Co)	0.000001%	
Copper (Cu)	0.000001%	
Gallium (Ga)	0.000001%	
Germanium (Ge)	0.0000005%	
Gold (Au)	0.0000005%	
Iron (Fe)	0.0000005%	
Lead (Pb)	0.000001%	
Lithium (Li)	0.0000005%	
Magnesium (Mg)	0.000001%	
Manganese (Mn)	0.000001%	
Molybdenum (Mo)	0.000001%	
Nickel (Ni)	0.000001%	
Potassium (K)	0.0000005%	
Silver (Ag)	0.000001%	
Sodium (Na)	0.0000005%	
Strontium (Sr)	0.000001%	
Thallium (Tl)	0.000001%	



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Tin (Sn)	0.000001%
Titanium (Ti)	0.000001%
Vanadium (v)	0.000001%
Zinc (Zn)	0.000001%
Zirconium (Zr)	0.000001%

**Note(s) : Assay (if applicable) method mentioned.**

## DANGER

**Hazard statements :** May intensify fire; oxidizer. Fatal if inhaled. Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage.

## Precautionary statements

**Prevention:** Do not eat, drink or smoke when using this product. Do not breathe dust or mist. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Wash hands thoroughly after handling. Keep away from heat. Wear respiratory protection. Use only outdoors or in a well ventilated area. Take any precautions to avoid mixing with combustibles or incompatible materials.

**Response:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Keep container tightly closed. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. Specific treatment: refer to Label or MSDS. Absorb spillage to prevent material damage.

IMDG Code : 8/II

UN No. : 2031

IATA : 8

**Disposal:** --

Hazard Pictogram(s) :--



GHS03



GHS05



GHS06

Replace date 28-Nov-2025