



Product Specification

NITRIC ACID (1.41-1.42)

PRODUCT CODE	169215
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	7697-37-2
ATOMIC OR MOLECULAR FORMULA	HNO ₃
ATOMIC OR MOLECULAR WEIGHT	63.01
PROPERTIES	Hygroscopic, strong oxidizing agent.

HNO₃

PARAMETER	LIMIT
Description	A clear liquid with a corrosive vapour.
Solubility	Miscible with water.
Assay	69.0 - 72.0%
Wt. per ml at 20°C	1.41 - 1.42 g

MAXIMUM LIMIT OF IMPURITIES

Non volatile matter	0.01%
Hydrochloric acid (HCl)	0.005%
Sulphuric acid (H ₂ SO ₄)	0.01%
Arsenic (As)	0.0001%
Iron (Fe)	0.005%
Lead (Pb)	0.0005%

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) :-



Oxidising liquids Corrosive to metals Acute toxicity