



Product Specification

E Control	QC2\DATAD\D:PS\20168XPS.xls		
PRODUCT CODE	20168		
PRODUCT NAME	NITRIC ACID (1.42) AR		
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.		
HNO ₃			
PARAMETER	LIMIT		
Description	A clear liquid with a corrosive vapour.		
Solubility	Miscible with water, forming clear & colourless solution.		
Assay	69.0 - 71.0%		
MAXIMUM LIMIT OF IMPURITIES			
Non volatile matter	0.001%		
Chloride (Cl)	0.00005%		
Phosphate & Silicate (SiO ₂)	0.0001%		
Sulphate (SO ₄)	0.0002%		
Arsenic (As)	0.000001%		
Copper (Cu)	0.00001%		
Iron (Fe)	0.00002%		
Lead (Pb)	0.00001%		
Manganese (Mn)	0.00004%		
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 Acute toxicity Corrosive to metals			
Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
Name/Dept. : Officer (Q.A.)	Name/Dept. :Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 01
Sign. :	Sign. :	Sign. :	Revision dt. : 20/08/2010
Date : 18/08/2010	Date : 18/08/2010	Date : 20/08/2010	AMEND NO. : P062