



Quality Control Dept.

Product Specification

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| Product | : Nitric Acid – LR |
| CASR No. | : 7697-37-2 |
| Molecular Formula | : HNO ₃ |
| Molecular Weight | : 63.01 g/mol |
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| Parameter | Limit |
| | |
| Description | : A clear oily liquid not more than 10 Hazen units in color |
| Assay (Titration with NaOH) | : 69.0 – 72.0 % |
| Relative Density | : Abt. 1.41 |
| Maximum Limits of Impurities | |
| Residue on Ignition | : 100 ppm |
| Chloride (Cl) | : 10 ppm |
| Sulphates (SO₄) | : 100 ppm |
| Arsenic (As) | : 1 ppm |
| Iron (Fe) | : 50 ppm |
| Heavy Metals (Pb) | : 5 ppm |
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| Hazard Statement | : Fatal if inhaled. Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. |
| Prevention | : Wear protective gloves/clothing and eye/face protection. Wash hands thoroughly after handling. Wear respiratory protection. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke when using this product. Do not breathe dust or mist. Wash thoroughly after handling. |
| Response | : Wash contaminated clothing before reuse. 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. Keep container tightly closed. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Specific treatment: refer to MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage. Immediately call a POISON CENTER or doctor/physician. |
| Hazard Pictograms | : <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Acute toxicity </div> <div style="text-align: center;">  Corrosive to metals </div> <div style="text-align: center;">  Oxidising liquids </div> </div> |
| IMDG Code | : 8/II |
| UN No. | : 2031 |
| IATA | : 8 |