



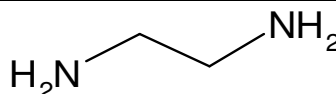
**SDFCL**  
s d fine-chem limited

Quality Control Dept.

Product Specification



|                             |                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| E Control                   | QC2\DATAD\D:\PS\38016XPS.xls                                                                                         |
| PRODUCT CODE                | 38016                                                                                                                |
| PRODUCT NAME                | ETHYLENEDIAMINE LR                                                                                                   |
| SYNONYMS                    | 1,2-Diaminoethane                                                                                                    |
| C.I. NO.                    | N/A                                                                                                                  |
| CASR NO.                    | 107-15-3                                                                                                             |
| ATOMIC OR MOLECULAR FORMULA | C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>                                                                         |
| ATOMIC OR MOLECULAR WEIGHT  | 60.10                                                                                                                |
| PROPERTIES                  | Strong base, Readily absorbs carbon dioxide from air, protect against undue exposure to the atmosphere. M.P. : 8.5°C |



| PARAMETER         | LIMIT                                                                |
|-------------------|----------------------------------------------------------------------|
| Description       | A clear colourless strongly alkaline liquid having ammoniacal odour. |
| Solubility        | 10% Solution in water is clear and colourless.                       |
| Minimum assay     | 99.0%                                                                |
| Wt.per ml at 20°C | 0.897 - 0.902 g                                                      |
| Moisture          | Max. 1.0%                                                            |

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

#### DANGER

**HAZARD STATMENTS** : Flammable liquid and vapour. Toxic if inhaled. Harmful in contact with skin. Harmful if swallowed. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May be corrosive to metals. Causes severe skin burns and eye damage.

#### PRECAUTIONARY STATEMENTS :

**Prevention** : Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear protective gloves/clothing. Do not breathe the dust or mist. In case of inadequate ventilation wear respiratory protection. Contaminated clothing should not be allowed out of the workplace. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Wear protective gloves and eye/face protection.

**Response** : In case of fire, use alcohol-type foam for extinction. Wash contaminated clothing before reuse. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage. If skin irritation or rash occurs, seek medical advice/attention. 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. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: refer to Label or MSDS.

**Disposal** : Add a little at a time (2 to 5g) to a large volume of water. After the reaction or solution is complete, allow it to run to normal waste, diluting with large amount of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste.

IMDG Code : ---  
UN No. : ---  
IATA : ---

Hazard pictogram(s) :



Flammable liquids Acute toxicity Aspiration hazard Corrosive to metals



**Flammable liquids   Acute toxicity   Aspiration hazard   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          |