



## Product Specification

### THIOGLYCOLIC ACID

|                                    |                              |
|------------------------------------|------------------------------|
| <b>PRODUCT CODE</b>                | <b>030415</b>                |
| <b>SYNONYMS</b>                    | <b>mercaptoacetic acid</b>   |
| <b>C.I. NO.</b>                    | <b>N/A</b>                   |
| <b>CASR NO.</b>                    | <b>68-11-1</b>               |
| <b>ATOMIC OR MOLECULAR FORMULA</b> | <b>CH<sub>2</sub>SH.COOH</b> |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>  | <b>92.11</b>                 |
| <b>PROPERTIES</b>                  | <b>Combustible</b>           |

### CH<sub>2</sub>SH.COOH

| <b>PARAMETER</b>                                | <b>LIMIT</b>   |
|---|--|
| Description                                     | A clear colourless viscous liquid having characteristic odour. |
| Solubility                                      | Miscible with water forming clear & colourless solution.       |
| Minimum assay                                   | Abt. 80.0%   |
| Wt. per ml at 20°C                              | 1.270 - 1.274 g  |
| Refractive Index (n) <sub>D</sub> <sup>20</sup> | 1.502 - 1.505  |
| Sensitivity                                     | Pink tint with 2ug Fe in 50 ml of ammonical solution.          |

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

#### **DANGER**

**HAZARD STATEMENTS :** Fatal if inhaled. Toxic if swallowed. Toxic in contact with skin. May cause allergic skin reaction. May be corrosive to metals. Causes severe skin burns and eye damage.

#### **PRECAUTIONARY STATEMENTS :**

**Prevention :** Wear protective gloves/clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not breathe dust or mist. Wash thoroughly after handling. Use only outdoors or in a well ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing. Wear respiratory protection. Do not eat, drink or smoke when using this product. Contaminated clothing should not be allowed out of the workplace. Wash hands thoroughly after handling.  
**Response :** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse. Keep container tightly closed. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Absorb spillage to prevent material damage. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. IF ON SKIN: Gently wash with plenty of soap and water. Remove/ Take off immediately all contaminated clothing. Wash/Decontaminate removed clothing before reuse.

IMDG Code : 8/II  
UN No. : 1940  
IATA : 8

**Disposal:** The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber

Hazard Pictogram(s) :-



Acute toxicity



Corrosive to metals