

ISO 9001:2008 Co.



# Rehsiff Scientific®

Manufacture & Importer of  
Laboratory Fine Chemicals, Diagnostic Kit & Lab wares

## DIETHYLENE GLYCOL FOR SYNTHESIS

|   |  |
|---|--|
| <b>PRODUCT CODE</b>   | R01177   |
| <b>SYNONYMS</b>   | Digol  |
| <b>C.I. NO.</b>   | N/A  |
| <b>CASR NO.</b>   | 111-46-6   |
| <b>ATOMIC OR MOLECULAR FORMULA</b>  | (HOCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> O          |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>   | 106.12   |
| <b>PROPERTIES</b>   | Extremely hygroscopic, Combustible.                          |
| <b>PARAMETER</b>  | <b>LIMIT</b>   |
| Description   | A clear viscous liquid, colour not more than 10 Hazen units. |
| Solubility  | Miscible with water forming clear and colourless solution.   |
| Minimum assay(By GC)  | 98.5%  |
| Wt.per ml at 20°C   | 1.115 - 1.118 g  |
| Freezing Point  | -12 to -6°C  |
| Boiling Range<br>(241 - 248°C)  | Min. 95.0%   |
| Refractive Index (n) <sub>D</sub> <sup>20</sup>   | 1.446 - 1.448  |
| <b>Note(s) :Assay (if applicable) method mentioned.</b>   |  |
| <p><b>DANGER</b></p> <p><b>HAZARD STATEMENTS</b> :May cause drowsiness and dizziness. Harmful if swallowed. Causes mild skin irritation. Causes eye irritation. May damage the unborn child.</p> <p><b>PRECAUTIONARY STATEMENTS</b> :</p> <p><b>Prevention</b> :Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.</p> <p><b>Response</b> :If eye irritation persists, get medical advice/attention. If exposed or concerned: Get medical attention advice. If skin irritation occurs, seek medical advice/attention. Specific treatment: refer to Label or MSDS. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p><b>Disposal</b> :Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.</p> | <p>IMDG Code :</p> <p>UN No. :</p> <p>IATA :</p>             |
| Hazard Pictogram(s) :   |  |
| <p>GHS05      GHS07</p>   |  |

replace Date 1 April 2023

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