

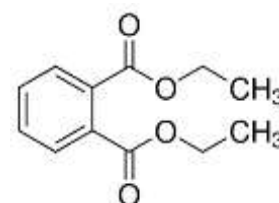


# Product Specification

cdhfinechemical.com

## DIETHYL PHTHALATE FOR SYNTHESIS

|                                    |  |
|------------------------------------|--|
| <b>PRODUCT CODE</b>                | <b>028142</b>                                |
| <b>SYNONYMS</b>                    | Ethyl phthalate, Phthalic acid diethyl ether |
| <b>C.I. NO.</b>                    | N/A  |
| <b>CASR NO.</b>                    | 84-66-2                                      |
| <b>ATOMIC OR MOLECULAR FORMULA</b> | $C_{12}H_{14}O_4$                            |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>  | 222.24                                       |
| <b>PROPERTIES</b>                  | Insoluble in water. Combustible              |



| <b>PARAMETER</b>                                | <b>LIMIT</b>  |
|---|---|
| Description                                     | Colourless to almost colourless clear liquid.                     |
| Solubility                                      | Miscible with alcohols, ketones, esters & aromatics hydrocarbons. |
| Minimum assay (By GC)                           | 97.0%   |
| Wt. per ml at 20°C                              | 1.118 - 1.122 g   |
| Refractive index (n) <sub>D</sub> <sup>20</sup> | 1.500 - 1.505   |

| <b>MAXIMUM LIMIT OF IMPURITIES</b> |          |
|------------------------------------|----------|
| Acidity                            | Conforms |
| Water                              | 0.2%     |
| Residue on ignition                | 0.02%    |

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

|  |                                   |
|--|-----------------------------------|
| <b>WARNING</b><br><b>HAZARD STATEMENTS</b> : Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of damaging fertility or the unborn child. Toxic to aquatic life. Harmful to the soil environment. Harmful to terrestrial vertebrates <b>1.500 - 1.505</b><br><b>PRECAUTIONARY STATEMENTS</b> :<br><b>Prevention</b> : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash ... thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.<br><b>Response</b> : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If eye irritation persists: Get medical advice/attention.<br><b>Disposal</b> : The chemical should be mixed with combustible solvent and burnt in chemical incinerator equipped with burner and scrubber. | IMDG Code :<br>UN No. :<br>IATA : |
|--|-----------------------------------|

|                       |           |
|-----------------------|-----------|
| Hazard Pictogram(s) : | <br>GHS08 |
|-----------------------|-----------|

Replace date: 18-Mar.-2023