

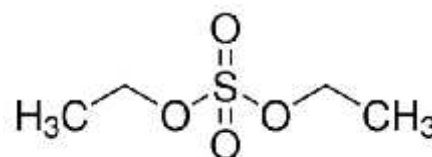


# Product Specification

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## DIETHYL SULPHATE

PRODUCT CODE	028144
SYNONYMS	Ethyl sulphate, Sulphuric acid diethyl ester
C.I. NO.	N/A
CASR NO.	64- 67- 5
ATOMIC OR MOLECULAR FORMULA	$C_4H_{10}SO_4$
ATOMIC OR MOLECULAR WEIGHT	154.19
PROPERTIES	Rapidly decompose by hot water into monoethyl sulphate & alcohol,combustible.



PARAMETER	LIMIT
Description	Clear & colourless to almost colourless liquid; colour not more than 20 HU.
Solubility	Soluble in alcohol & ether.
Identification	By FTIR Spectrum.
Minimum assay (BY GC)	98.0%
Wt. per ml at 20°C	1.176 - 1.178 g
Refractive Index(n) <sub>D</sub> <sup>20</sup>	About 1.400

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

### DANGER

**HAZARD STATEMENTS** :Combustible Liquid. Harmful if inhaled. Harmful incontact with skin. Harmful if swallowed. May cause allergic or asthmaticsymptoms or breathing difficulties if inhaled. May cause genetic defects. May cause CANCER. Causes severe skin burns and eye damage.

### PRECAUTIONARY STATEMENTS :

**Prevention** :Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protectivegloves/clothing and eye/face protection. Wear protective gloves/clothing. Use onlyoutdoors or in a well ventilated area. Wash thoroughly after handling. Do nohandle until all safety precautions have been read and understood. Use personalprotective equipment as required. Obtain special instructions before use. Do notbreathe dust or mist. In case of inadequateventilation wear respiratory protection. Keep away from flames and hotsurfaces.Use explosion-proof electrical/ventilating/ lighting/equipment. Washhands thoroughly after handling. Do not eat, drink or smoke when using thisproduct.

**Response** : IF INHALED: If breathing is difficult, remove to fresh air and keep atrest in a position comfortable for breathing. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.If on skin or hair:,remove/take off immediately all contaminated clothing. Rinse with water/shower.IF

IN EYES: Rinse cautiously with water for several minutes. Remove contactlenses, if present and easy to do. Continue rinsing. Call a POISON CENTER ordoctor/physician if you feel unwell. IF ON SKIN: Gently wash with plenty of soapand water. If exposed or concerned: Get medical attention advice. Immediatelycall a POISON CENTER or doctor/physician. IF INHALED: Remove to fresh airand keep at rest in a position comfortable for breathing. Specific treatment: referto Label or MSDS.If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

**Disposal**: The chemical should be burnt in a chemical incinerator equipped withburner and scrubber.The chemical waste should be collected by specializeddisposal company.

Hazard Pictogram(s) :



GHS05



GHS08



GHS06

IMDG Code : 6.1/II  
 UN No. : 1594  
 IATA : 6.1