

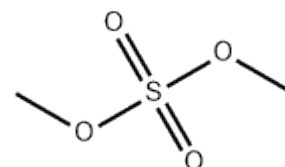


Product Specification

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DIMETHYL SULPHATE FOR SYNTHESIS

PRODUCT CODE	028214
SYNONYMS	Sulfuric acid dimethyl ester
C.I. NO.	N/A
CASR NO.	77-78-1
ATOMIC OR MOLECULARFORMULA	C ₂ H ₆ O ₄ S
ATOMIC OR MOLECULARWEIGHT	126.13
PROPERTIES	Hydrolysis is rapid at or above 18°C. Combustible.



PARAMETER	LIMIT
Description	Colourless to pale yellow oily liquid.
Solubility	Miscible in alcohol, acetone, ether.
Minimum assay(By GC)	99.0%
Wt.per ml at 20°C	1.32 - 1.33 g
Refractive Index(n) _D ²⁰	1.386 - 1.388

MAXIMUM LIMIT OF IMPURITY

Sulphuric Acid	1.0%
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Note(s) :Assay (if applicable) method mentioned.

DANGER

HAZARD STATEMENTS :Combustible Liquid. Fatal if inhaled. Toxic if swallowed.May cause allergic skin reaction. May cause CANCER. Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS :

Prevention : Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing and eye/face protection. Wear respiratory protection.Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Obtain special instructions before use. Do not breathe dust or mist. Contaminated clothing should not be allowed out of the workplace. Keep away from flames and hot surfaces. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use explosion-proof electrical/ventilating/ lighting/equipment.

Response : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep container tightly closed.If skin irritation or rashoccurs, seek medical advice/attention. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.If on skin or hair: remove/take off mmediately all contaminated clothing. Rinse withwater/shower. if exposed or concerned: Get medical attention advice. IF ON SKIN:Gently wash with plenty ofsoap and water. Specific treatment: refer to Label or MSDS.Immediately call a POISON CENTER or octor/physician. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Disposal: The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. The chemical waste should be collected by specialized disposal company.

IMDG Code : 6.1/1

UN No. : 1595

IATA : 6.1

Hazard Pictogram(s) :



GHS05



GHS06



GHS08

Replace date 14-Aug-2023