Diethyl Sulfate

Product ID: DES-507
Synonyms: Diethyl Ester of Sulfuric Acid, Ethyl Sulphate, Diethyl Sulphate
CAS #: 64-67-5

Sales Specifications:
Purity (by GC): 99% min.
Acidity (as H₂SO₄): 0.03% max.
Water: 0.15% max.
Specific Gravity (at 20/4°C): 1.178 – 1.182
Packing: 507 lb. net drums

Physical Properties:
Molecular Formula: (C₂H₅)₂SO₄
Molecular Weight: 154.18
Appearance: Clear
Physical State: Liquid
Odor: Ethereal Peppermint-like
Odor Threshold: No information available
pH: No data available
Melting/freezing point: -25°C
Boiling Point/Range: 208°C
Flash Point: 104°C / 219.2°F Closed cup
Evaporation Rate: Not available
**Vapor Pressure:** 0.1 mmHg @ 20°C

**Vapor Density:** 5.31

**Specific Gravity:** 1.175 - 1.804

**Water Solubility:** 70 g/L

Solubility in other solvents: No information available

**Partition coefficient:** n-octanol/water: Not available

**Auto-ignition temp (°C):** 436°C / 817°F

**Decomposition temperature:** No data available

**Viscosity, kinematic:** No information available

**Viscosity, dynamic:** Not available

**Explosive Properties:** No information available

**Oxidizing Properties:** No information available

**Softening Point:** No Information available

**Product Description:**
Kessler Chemical is a leading supplier and distributor of high-purity Diethyl Sulfate. Kessler Chemical works closely with leading suppliers to offer the high quality Diethyl Sulfate that you need for your applications.

Diethyl sulfate is a highly toxic chemical compound with formula (C₆H₅)₂SO₄. It occurs as a colorless liquid with a peppermint odor.

Diethyl Sulfate permits rapid and complete ethylation without use of pressure vessel or autoclave. Due to its low volatility it can be handled and stored almost without loss. Diethyl sulfate is used as an alkylating agent to prepare ethyl derivatives of phenols, amines, and thiols and the likes.

Diethyl sulfate is used as an ethylating agent in the manufacture of aromatic and aliphatic ethers, amines, amides, esters and imides carbozole for dyestuff, pharmaceutical and flavor synthesis. It is also used as a hardener for cresol formaldehyde resin manufacture and as a stabilizer for organophosphorous insecticide.

Chemical producers and buyers rely on Kessler Chemical for their Diethyl Sulfate needs. We offer the quality, availability and technical knowledge you are looking for in an Diethyl Sulfate supplier. Let Kessler Chemical work for you!