

Dimethyl Sulfate

High-assay methylating reagent for controlled professional organic synthesis.

CAS No. 77-78-1	EC / List No. 201-058-1	Transport Class 6.1 — Toxic; subsidiary Class 8
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Product Information

High-assay methylating reagent for controlled professional organic synthesis.

Specifications

Parameter	Specification
Appearance	Colourless oily liquid
Assay	≥99.0 %
Boiling point, typical	Approximately 188 °C
Freezing point, typical	Approximately -26.8 °C
Specific gravity, 20/4°C, typical	Approximately 1.3322
Flash point, typical	Approximately 83 °C

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C2H6O4S
Molecular weight	126.13 g/mol

Applications

Controlled methylation processes: Reagent for qualified industrial organic synthesis.

Dye and specialty-chemical intermediates: Material for selected dye and specialty-chemical intermediate manufacturing where permitted.

Fragrance and pharmaceutical intermediates: Methylating intermediate for technically supervised fragrance or pharmaceutical-intermediate routes.

Packaging / Storage

Item	Information
Packing	250 kg compatible closed drums
Storage	Keep tightly closed and locked up in a dedicated cool, dry, ventilated toxic/corrosive-material area. Protect from moisture, heat and ignition; segregate from strong oxidizers, strong bases, strong acids and ammonia. Use a compatible inert atmosphere where specified by the approved storage procedure.
Handling	Use qualified personnel and a closed system with effective local exhaust. Avoid all vapour, aerosol and skin contact; wear compatible chemical-resistant gloves, full eye/face protection and protective clothing. Provide an appropriate respiratory-protection programme, safety shower and eyewash; obtain immediate medical attention after exposure.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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