

Methylcyclopentadienyl Manganese Tricarbonyl (MMT)

Organomanganese antiknock additive for controlled fuel formulation.

CAS No. 12108-13-3	EC / List No. 235-166-5	Transport Class 6.1 — Toxic (97–98% reference)
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Product Information

Organomanganese antiknock additive for controlled fuel formulation.

Specifications

Parameter	Specification
Grades	9298 / 9296
Appearance	Orange liquid
MMT content	≥98 / ≥62 %
Manganese content	≥24.4 / ≥15.1 %
Density, 20°C	1.36–1.39 / 1.10–1.13 g/cm³
Initial freezing point	≤−1 / ≤−25 °C
Closed-cup flash point	≥80 / ≥50 °C
Moisture	≤200 / ≤200 mg/kg

Supply limits follow the matching older ZXCHEM technical specification; test conditions and grade order are retained.

Typical Properties

Property	Typical Value
Molecular formula	C ₉ H ₇ MnO ₃
Molecular weight	218.09 g/mol

Applications

Fuel antiknock formulation: Organomanganese additive for permitted fuel blending.

Octane package development: Ingredient for qualified antiknock packages.

Industrial fuel research: Intermediate for controlled fuel testing.

Packaging / Storage

Item	Information
Packing	200 L galvanized steel drums / IBC
Storage	Keep containers tightly closed in a cool, dry, ventilated storage area. Protect from direct sunlight and contamination; separate from incompatible chemicals.
Handling	Use effective ventilation and compatible chemical-resistant gloves and eye protection. Avoid splashes, mist or dust; maintain emergency washing facilities and good industrial hygiene.

Company Contact

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