

Organosilane MMO

Product Description

Chemical Name: *Methyltrimethoxysilane* (MTMS)

Synonym: Trimethoxymethylsilane

| | | | |
|--------------------|--|-------------------|--|
| Chemical Structure | | Empirical Formula | C ₄ H ₁₂ O ₃ Si |
| | | Molecular Weight | 136.22 |
| | | CAS No. | 1185-55-3 |
| | | EINECS No. | 214-685-0 |

Typical Physical Properties:

| | |
|--------------------------------|----------------------------------|
| Appearance | Colorless and transparent liquid |
| Specific Gravity, (25/25°C) | 0.955 |
| Refractive Index, n_D (25°C) | 1.369 |
| Flash Point* | 8°C |
| Boiling Point | 102°C |

* Determined by ASTM Method D 93 using the Pensky-Martens closed cup.

Commodity Specification

| | | |
|--------------------------------|----------------------------------|---------|
| Appearance | Colorless and transparent liquid | |
| Content, (by GC) | 99% min | 98% min |
| Specific Gravity, (25/25°C) | 0.940—0.960 | |
| Refractive Index, n_D (25°C) | 1.3680—1.3720 | |

Application Direction

General Information: It can be used to polymerize with other monomers to be special and high molecular compounds. Be used as a cross-linking agent for RTV, as coupling agent for inorganic materials e.g. glass fiber and SiO₂, as strengthening agent for laminated plastic products, etc.

Packing & Storage

Normally packed in 180 kg net drums UN approved, sea-worthy for exporting
 Stored in cool and dry air-flowing area preventing sunlight

Transport Information

Hazard Class 3 UN No 1993 Packing Group II

Safety Materials

Material Safety Data Sheet (MSDS) is available separately

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ONICHEM shall not be held liable for any damage resulting from the use of the above product. The users are suggested to select the suitability of the products and methods of application.