



## Methyltriethoxysilane

AB111242 | CAS 2031-67-6

### 1. Product Identification

**Chemical Name:** Methyltriethoxysilane  
**Synonyms:** Triethoxymethylsilane, MTES  
**Molecular Formula:** C<sub>7</sub>H<sub>18</sub>O<sub>3</sub>Si  
**Molar Mass:** 178.34 g/mol

### 2. Physical and Chemical Properties

**Purity:** 98%  
**Appearance:** Colorless, clear liquid  
**Odor:** Slight, characteristic  
**Boiling Point:** approx. 142 °C  
**Density:** approx. 0.89 g/cm<sup>3</sup> at 25 °C  
**Refractive Index:** 1.383 at 20 °C  
**Solubility:** Soluble in organic solvents; hydrolyzes in water releasing ethanol  
The data represent typical values (no product specification)

### 3. Applications

- **Surface modification:** creating a wide variety of inorganic surfaces and materials water-repellent
- Cross-linking agent for room temperature cured silicone rubber
- Heat resistant coatings
- Sol-Gel Precursor

### 4. Reactivity

**Triethoxysilyl-groups:** Hydrolyze in contact with moisture, releasing ethanol and forming reactive Silanol-groups which bond to inorganic surfaces or interact as crosslinker  
**Methylgroup:** Water-repellant effect

### 5. Storage and Handling

**Storage Conditions:** Store in a cool, dry, and tightly sealed container. Protect from moisture and direct sunlight.  
Avoid direct contact with moisture to prevent hydrolysis.  
Ethanol release caution; it is recommended to work in well-ventilated spaces.

### 6. Available Quantities

AB111242 is available in following quantities:  
> Shop AB111242 | CAS 2031-67-6

### Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets (MSDS). They are available on the abcr website  
> [https://abcr.com/de\\_en/ab111242](https://abcr.com/de_en/ab111242)