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## TECHNICAL DATA SHEET

Chemical Name: Trimethylsioxysilicate

Cas No. 56275-01-5

Product appearance: White powder

### Technical Index:

No.	Items	
1	Appearance	White powder
2	Solid content %	100%
3	M:Q	0.6-0.9 :1, 1.2-1.4:1
4	Softening point	400-600°C
5	Molecular weight	3,000-6,000
6	HP Value	7
7	Applied solvents	Toluene, Xylene, D5, silicone fluid etc

MQ methyl silicone resin is a kind of si-o based solid (nonlinearity) new style silicone material, structural formula as follows:

$[(CH_3)_3SiO_{1/2}]_a[SiO_{4/2}]_b$ , in which  $[(CH_3)_3SiO_{1/2}]$  is called M and  $[SiO_{4/2}]$  is called Q, according to the different ratio of M and Q, the character, specification, and application will show differences.

MQ resin has excellent character: excellent high and low heat resistance .

1. Excellence high and low heat resistance, which can be used from -60°C to +400°C.
2. Superior film formation agent, moderation flexible character, and aging resistant and ultraviolet ray resistant.
3. Excellent water-proofing.
4. Preferable adhesion property.
5. Excellent moulding agent.

### Applications & Dosage:

1. Be applied in high temperature resistance paint, and insulation, conjugation.
2. It can be used as protective agent for important goods (e.g: cultural relic, billboard ).
3. It also can be used as all kinds of anti-water paint, and which could be good material of lipstick in cosmetic trade.
4. It can be used as moulding agent of many kinds of material.
5. MQ resin is also the main material for silicone pressure sensitive adhesive.

Dosage: Add directly to the system. When adding indirectly, it can be dissolved in solvents (such as benzene, xylene, 120# solvent naphtha, D5, alcohol, silicone fluid, etc.) and then added to the system. If it needs to be used in a colorless and odorless environment, it should be used after being dispersed with a colorless and odorless dispersant (such as silicone fluid, etc.). The dosage can be selected between 1-20% according to different applications.

### Packages

20kgs OR 40kgs fiber drum.

The solvent products should avoid sunshine and source of ignition in the transport. According to the different solvent, the product should be divided into dangerous and Non-dangerous goods.