

Trimethylsiloxysilicate (MQ Silicone Resin)

Safety Data Sheet · complies with OSHA HazCom 2012 (29 CFR 1910.1200) / GHS · CAS 68988-56-7

§1 IDENTIFICATION

Product Name	Trimethylsiloxysilicate (Methyl MQ Silicone Resin)
Common Name	MQ resin; trimethylsiloxysilicate; polysilicate resin
Recommended Use	Intermediate; cosmetic additive; film former
Restrictions on Use	Industrial and professional use only
Manufacturer / Supplier	
Company	RawSource Inc.
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Emergency Telephone	+1 (754) 306-4363 (business hours) — for a chemical emergency also contact your national poison / emergency service

§2 HAZARD(S) IDENTIFICATION

GHS Hazard Classification	None
Signal Word	None
Hazard Statement(s)	None
Pictogram(s)	Not applicable

Precautionary statement(s)

P264 : Wash all exposed external body areas thoroughly after handling.

P305 + P351 + P338 : IF IN EYES — Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.

P332 + P313 : If skin irritation occurs — get medical advice / attention.

P337 + P313 : If eye irritation persists — get medical advice / attention.

Other Hazards Solid; does not mix with water; non-combustible. Organic powders finely divided and suspended in air may form explosive dust-air mixtures.

§3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance Name	Trimethylsiloxysilicate
CAS No.	68988-56-7
Concentration	> 99 wt%

§4 FIRST-AID MEASURES

If inhaled

If dust is inhaled, remove from the contaminated area. Encourage the patient to blow their nose to ensure a clear breathing passage. If irritation or discomfort persists, seek medical attention.

In case of skin contact

Immediately remove all contaminated clothing, including shoes and socks. Rinse skin and hair with running water (and soap if available). Seek medical attention if irritation is experienced.

In case of eye contact

Rinse immediately with clean water. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If irritation persists, seek medical attention.

If swallowed

If in doubt, contact a Poisons Information Centre or a doctor.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

§5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Foam; dry chemical powder; carbon dioxide; water spray or fog
Unsuitable Extinguishing Media	None specifically identified

Specific hazards arising from the chemical

A combustible solid that burns but propagates flame with difficulty. When finely divided and suspended in air, the organic powder may form explosive dust-air mixtures and result in a fire or dust explosion (including secondary explosions). Combustion products include carbon oxides, silicon dioxide and other pyrolysis products typical of burning organic material; toxic or corrosive smoke may be released.

Special protective equipment and precautions for firefighters

Wear breathing apparatus and protective gloves. Take all possible measures to prevent spills entering drains. Cool fire-exposed containers with spray from a protected position and, if safe, remove containers from the fire.

§6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Clean up all spills immediately. Avoid breathing dust and contact with skin and eyes. Wear protective clothing, gloves, safety glasses and a dust respirator.

Environmental precautions

Prevent, by any means available, spillage from entering drains or water courses.

Methods and material for containment and cleaning up

Use dry clean-up procedures and avoid generating dust. Sweep, shovel or vacuum up (consider explosion-protected, grounded equipment) and place spilled material in a clean, dry, sealable, labelled container for disposal. If wet, vacuum or shovel up into labelled containers. Wash the area down with large amounts of water and prevent runoff into drains.

§7 HANDLING AND STORAGE

Precautions for safe handling

Avoid all personal contact, including inhalation. Use in a well-ventilated area and prevent build-up of static charge on dust particles by bonding and grounding. Powder-handling equipment (dust collectors, dryers, mills) may require additional protection such as explosion venting. Do not allow the material to contact exposed food or food utensils. Keep containers securely sealed when not in use and wash hands after handling.

Conditions for safe storage, including incompatibilities

Store in original containers in a cool, dry area protected from environmental extremes, away from incompatible materials and foodstuff containers. Suitable containers include lined metal cans or pails, plastic pails and polyliner drums. Avoid reaction with oxidising agents; concentrated acids and bases cause degradation of the polymer. Note: traces of benzene, a carcinogen, may form when silicones are heated in air above 230 degrees C.

§8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters	No occupational exposure limits established; no data.
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Appropriate engineering controls

Under normal operating conditions the general exhaust system is sufficient. If a risk of excessive exposure exists, wear a respirator. Build-up of electrostatic charge on dust may be prevented by bonding and grounding.

Eye/Face Protection	Safety glasses with side shields or chemical goggles
Hand Protection	Chemical protective gloves
Skin/Body Protection	Safety shoes or boots and work clothes
Respiratory Protection	Filter gas mask when airborne concentration exceeds the standard; portable respirator for emergencies

§9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	White powder
Odour	No data available
Melting Point	Not applicable
Boiling Point	Not applicable
Flash Point	Not applicable
Relative Density (water = 1)	1.2-1.3
Viscosity	No data available
Solubility	Insoluble in water

§10 STABILITY AND REACTIVITY

Reactivity	See conditions to avoid and incompatible materials
Chemical Stability	Stable under normal handling temperature and pressure
Possibility of Hazardous Reactions	None known under normal conditions
Conditions to Avoid	Heat and ignition sources; dust generation
Incompatible Materials	Oxidising agents; concentrated acids and bases

Hazardous decomposition products

Combustion may yield carbon oxides, silicon dioxide and other pyrolysis products typical of burning organic material. Traces of benzene, a carcinogen, may form when silicones are heated in air above 230 degrees C.

§11 TOXICOLOGICAL INFORMATION

Acute Toxicity	No data available
Skin Corrosion / Irritation	No data available
Serious Eye Damage / Irritation	No data available
Respiratory or Skin Sensitization	No data available
Carcinogenicity	No data available

§12 ECOLOGICAL INFORMATION

No ecotoxicity, persistence, bioaccumulation or mobility data available for this product.

§13 DISPOSAL CONSIDERATIONS

Recycle wherever possible. Consult a licensed waste-management authority for disposal if no suitable treatment or disposal facility can be identified. Dispose of by burial in a land-fill licensed to accept chemical wastes, or by incineration in a licensed apparatus (after admixture with suitable combustible material).

Do not allow wash water from cleaning or process equipment to enter drains; it may be necessary to collect all wash water for treatment before disposal. Disposal to sewer may be subject to local laws and regulations, which should be considered first. Decontaminate empty containers before disposal.

§14 TRANSPORT INFORMATION

UN RTDG (Land)	Not regulated for transport of dangerous goods
IATA-DGR (Air)	Not regulated for transport of dangerous goods
IMDG Code (Sea)	Not regulated for transport of dangerous goods
Marine Pollutant	No

§15 REGULATORY INFORMATION

Inventory Status	Trimethylsiloxysilicate is listed on the China Inventory of Existing Chemical Substances and on AIIIC (Australia), DSL (Canada), EINECS (Europe), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA), TCSI (Taiwan) and NCI (Vietnam).
United States TSCA Inventory	All components of this product are in compliance with the inventory listing requirements of the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

§16 OTHER INFORMATION

Prepared and issued by RawSource Inc. This SDS supersedes any prior version for this material. It relates only to the specific material identified above.

This Safety Data Sheet is provided in good faith and is correct to the best of RawSource's knowledge at the date of publication. It is a guidance for safe handling, use, processing, storage, transport, disposal and release, and is not a warranty or quality specification. It relates only to the specific material identified above. Users must determine the conditions of safe use in their own context.