



## Material Safety Data Sheet QM 270A

### 1. Chemical Product and Company Identification

Quantum Silicones  
8021 Reycan Road  
Richmond, VA 23237

Phone (804)271-9010

Prepared by: Philip McDermott  
Date Prepared: 3/7/03  
Chemical Family: Mixture  
Generic Description: Silicone Moldmaking Elastomer  
Physical Form: Viscous Liquid

NFPA Profile            Health 0            Flammability 0            Reactivity 0

### 2. OSHA Hazardous Ingredients

None present. This is not a hazardous material as defined in the OSHA Hazard Communication Standard

### 3. Hazards Identification

#### Acute effects

Eye: Direct contact may cause mild irritation  
Skin: None  
Inhalation: None  
Oral: Low ingestion hazard in normal use

#### Prolonged/Repeated Exposure Effects

Skin: Repeated or Prolonged exposure may cause irritation  
Inhalation: None Known  
Oral: None Known

#### Medical Conditions Aggravated by Exposure

None Known

#### Carcinogenicity

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC or OSHA.

### 4. First Aid Measures

Eye: Immediately flush with water for 10 minutes  
Skin: No first aid should be needed  
Inhalation: No first aid should be needed  
Oral: No first aid should be needed

### 5. Fire Fighting Measures

Flash point >212F (100C)  
Auto Ignition Temp: Not determined

Flammability Limits in Air:

Upper limit	Not Determined
Lower Limit	Not Determined

Extinguishing Media – All standard firefighting media. On large fires, use dry chemical, foam or water spray. On small fires use carbon dioxide(CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

Firefighting Procedure - NIOSH/MSHA approved self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Determine the need to evacuate or isolate the area depending on your local emergency plan. Use water spray to keep fire exposed containers cool.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Nitrogen Oxides. Metal Oxides. Formaldehyde. Silicone Dioxide. Carbon oxides and traces of incompletely burned carbon compounds.

**6. Accidental Release Measures**

Containment/Clean-up

Determine the need to evacuate based on you local emergency plan. Ensure all personal protective equipment is utilized (see section 5 and 8). For large spills, provide diking or other measure to contain material. Store recovered material in an appropriate container. Clean up non-recoverable material with a suitable absorbent. Clean area thoroughly as silicone materials are a known slip hazard. Disposal of all cleaning materials, including absorbent and any non-usable materials should be done in accordance with Federal, State and Local laws.

**7. Handling and Storage**

Keep container closed when not in use. Avoid eye contact. Store away from heat, sources of ignition, oxidizers and incompatibles.

**8. Exposure Controls/Personal Protection**

Component exposure limits- There are no components with workplace exposure limits.

Engineering Controls- Eye wash station  
Safety shower  
General ventilation recommended

*Personal Protective equipment for routine use:*

Eyes Use proper protection – safety glasses at minimum  
Skin Washing after use is recommended  
Gloves Recommended  
Inhalation No respiratory protection is required

*Personal Protective equipment for spills:*

Eyes Safety glasses  
Skin Washing after exposure  
Inhalation/Respirator None should be required

Precautionary Measures Use safety glasses. Use reasonable care.

**Note; These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require additional precautions.**

## 9. Physical and Chemical Properties

Physical Form:	Viscous liquid
Color	Beige
Specific Gravity	1.33
Vapor Pressure	Negligible
Vapor Density	Negligible
Freezing point	NA
Melting point	NA
Boiling point	>260C(>500F)
pH	Not Determined
Odor	Odorless
Solubility in water	Negligible

## 10. Stability and Reactivity

Chemical Stability	Stable
Hazardous Polymerization	Will not occur
Conditions to Avoid	None
Materials to avoid	Strong oxidizers may cause a reaction

### Hazardous Thermal Decomposition/Combustion Products

Carbon Monoxide  
Carbon Dioxide  
Silicone Dioxide  
Formaldehyde

## 11. Toxicological Information

Special Hazard Information on material and components - No known application information

## 12. Ecological Information

Ecotoxicological Information –	Complete information is not yet available
Chemical Fate Information -	Complete information is not yet available

## 13. Disposal Considerations

RCRA Hazard Class (40CFR 261)  
Material as received is non-hazardous with regard to disposal

Disposal should be made in accordance with Federal, State and Local regulations.

## 14. Transportation Information

DOT Road Shipment (49CFR 172.101)	Not subject to DOT
Ocean Shipment (IMDG)	Not subject to IMDG code
Air Shipment (IATA)	Not subject to IATA regulations

## 15. Regulatory Information

Contents of this MSDS comply with OSHA 29 CFR 1910.1200

TSCA – All chemical components of this material are included on or exempt from listing on the TSCA inventory of Chemical Substances

SARA Regulations

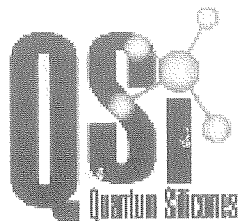
SARA 302	None
SARA 304	None
SARA 311, 312	None
SARA 313	None

California Prop 65                      None

HMIS	Flammability	0	Reactivity	0	Health	0
NFPA	Flammability	0	Reactivity	0	Health	0

**16. Other Information**

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.



## Material Safety Data Sheet QM 270B

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Chemical Family: Mixture  
Generic Description: Silicone Moldmaking Elastomer  
Physical Form: Viscous Liquid

NFPA Profile            Health **1**            Flammability **1**            Reactivity **0**

### 2. OSHA Hazardous Ingredients

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### 3. Hazards Identification

#### Acute effects

Eye: Direct contact may cause mild irritation  
Skin: None  
Inhalation: None  
Oral: Low ingestion hazard in normal use

#### Prolonged/Repeated Exposure Effects

Skin: Repeated or Prolonged exposure may cause irritation  
Inhalation: None Known  
Oral: None Known

#### Medical Conditions Aggravated by Exposure

None Known

#### Carcinogenicity

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC or OSHA.

### 4. First Aid Measures

Eye: Immediately flush with water for 10 minutes  
Skin: No first aid should be needed  
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Oral: No first aid should be needed

### 5. Fire Fighting Measures

Flash point >212F (100C)  
Auto Ignition Temp: Not determined

Flammability Limits in Air:		
Upper limit		Not Determined
Lower Limit		Not Determined

Extinguishing Media – All standard firefighting media. On large fires, use dry chemical, foam or water spray. On small fires use carbon dioxide(CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

Firefighting Procedure - NIOSH/MSHA approved self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Determine the need to evacuate or isolate the area depending on your local emergency plan. Use water spray to keep fire exposed containers cool.

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**8. Exposure Controls/Personal Protection**

Component exposure limits- There are no components with workplace exposure limits.

Engineering Controls-  
 Eye wash station  
 Safety shower  
 General ventilation recommended

*Personal Protective equipment for routine use:*

Eyes	Use proper protection – safety glasses at minimum
Skin	Washing after use is recommended
Gloves	Recommended
Inhalation	No respiratory protection is required

*Personal Protective equipment for spills:*

Eyes	Safety glasses
Skin	Washing after exposure
Inhalation/Respirator	None should be required

Precautionary Measures Use safety glasses. Use reasonable care.

**Note; These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require additional precautions.**

## 9. Physical and Chemical Properties

Physical Form:	Viscous liquid
Color	Clear
Specific Gravity	1.03
Vapor Pressure	Negligible
Vapor Density	Negligible
Freezing point	NA
Melting point	NA
Boiling point	>260C(>500F)
pH	Not Determined
Odor	Odorless
Solubility in water	Negligible

## 10. Stability and Reactivity

Chemical Stability	Stable
Hazardous Polymerization	Will not occur
Conditions to Avoid	None
Materials to avoid	Acids, Bases and strong oxidizers can cause the liberation of hydrogen gas

Hazardous Thermal Decomposition/Combustion Products

Carbon Monoxide  
Carbon Dioxide  
Silicone Dioxide  
Formaldehyde

## 11. Toxicological Information

Special Hazard Information on material and components - No known application information

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Chemical Fate Information - Complete information is not yet available

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SARA 304	None
SARA 311, 312	None
SARA 313	None

California Prop 65                      None

HMIS	Flammability	1	Reactivity	0	Health	1
NFPA	Flammability	1	Reactivity	0	Health	1

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