



Safety Data Sheet

Issue date 10-Jul-2015

Revision date 10-Jul-2015

Version 2

1. Identification

Product Identifier

Product name QM 245 B

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended use Industrial silicone elastomer.
Applications FOR INDUSTRIAL USE ONLY

Details of the Supplier of the Safety Data Sheet

| Supplier | Manufacturer Address |
|--------------------------------------------------------------|-----------------------------------------------------------|
| Quantum Silicones 7820 Whitepine Rd Richmond, VA 23237 | Quantum Silicones 8021 Reygan Rd Richmond, VA 23237 |

Emergency Telephone Number

Company Phone Number 800-852-3147 (8AM - 5PM EST)
Emergency telephone Chemtrec 1-800-424-9300

2. Hazards Identification

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

EMERGENCY OVERVIEW

| | | |
|----------------------------------|------------------------------|--------------------|
| Appearance Viscous liquid | Physical State Liquid | Odor Slight |
|----------------------------------|------------------------------|--------------------|

Hazards Not Otherwise Classified (HNOC)

Not Applicable

OTHER INFORMATION

Not Applicable.

3. Composition/information on Ingredients

Substance

Not Applicable

Mixture

| Chemical name | CAS No | weight-% | Trade secret |
|------------------------------------------|-------------|----------|--------------|
| Polydimethylsiloxane, hydride terminated | 70900-21-9 | 10 - 30 | * |
| Dimethyl, methylhydrogen siloxane | 68037-59-2 | 3 - 7 | * |
| Silica | 112945-52-5 | 0.1 - 1 | * |

4. First aid measures

Description of first aid measures

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash skin with soap and water. |
| INHALATION | Remove to fresh air. |
| INGESTION | Clean mouth with water and drink afterwards plenty of water. |

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms No information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation, especially in confined areas.

Environmental Precautions

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents. Bases.

8. Exposure Controls/Personal Protection

Control Parameters

Ingredients with workplace exposure parameters This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls

Engineering controls Showers
Eyewash stations

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | | | |
|-----------------------|----------------|-----------------------|--------------------------|
| Physical State | Liquid | Odor | Slight |
| Appearance | Viscous liquid | Odor threshold | No information available |
| Color | Dark red | | |

| <u>Property</u> | <u>VALUES</u> | <u>Remarks • Method</u> |
|---------------------------------------|--------------------------|-------------------------|
| pH | No information available | |
| Melting point / Freezing point | No information available | |
| Boiling point / Boiling range | No information available | |
| Flash point | > 140 °C / > 284 °F | CC (closed cup) |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability limit in air | | |
| Upper flammability limit: | No information available | |
| Lower flammability limit: | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Relative density | No information available | |
| Water solubility | No information available | |
| Solubility in other solvents | No information available | |
| Partition coefficient | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |

| | |
|-----------------------------|----------------------------------------|
| Kinematic viscosity | No information available |
| Dynamic viscosity | 2,000 mPa s |
| Explosive properties | Not an explosive |
| Oxidizing properties | This product is not an oxidizing agent |

OTHER INFORMATION

| | |
|-------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC content (%) | No information available |
| Density | 1.03 |
| Bulk density | No information available |

10. Stability and Reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

| | |
|---------------------------------|----------------------------------------------------------|
| hazardous polymerization | May generate hydrogen gas upon exposure to strong bases. |
|---------------------------------|----------------------------------------------------------|

Conditions to avoid

Strong oxidizing agents.

Incompatible materials

Strong oxidizing agents. Bases.

Hazardous decomposition products

None known based on information supplied.

11. Toxicological Information

Information on Likely Routes of Exposure

| | |
|----------------------------|--------------------|
| Product information | No data available. |
| INHALATION | No data available. |
| Eye Contact | No data available. |
| Skin Contact | No data available. |
| INGESTION | No data available. |

| Chemical name | Oral LD50 | dermal LD50 | Inhalation LC50 |
|-----------------------|----------------------|-------------|-----------------|
| Silica 112945-52-5 | = 3160 mg/kg (Rat) | - | - |

Information on Toxicological Effects

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sensitization | No information available. |
| Germ Cell Mutagenicity | No information available. |
| carcinogenicity | The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains one or more substances which are classified by IARC as |

carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

| Chemical name | ACGIH | IARC | NTP | OSHA |
|-----------------------|-------|---------|-----|------|
| Silica 112945-52-5 | - | Group 3 | - | - |

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

| | |
|---------------------------------|---------------------------|
| Reproductive Toxicity | No information available. |
| STOT - Single Exposure | No information available. |
| STOT - Repeated Exposure | No information available. |
| Aspiration Hazard | No information available. |

Numerical Measures of Toxicity - Product information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 12,286.00 mg/kg

ATEmix (dermal) 8,256.00 mg/kg

12. Ecological Information

Ecotoxicity

108.0121 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other Adverse Effects

No information available

13. Disposal Considerations

Waste Treatment Methods

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| Disposal of wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Do not reuse container. |

14. Transport Information

| | |
|--------------------------|---------------|
| <u>DOT</u> | NOT REGULATED |
| <u>TDG</u> | NOT REGULATED |
| <u>MEX</u> | NOT REGULATED |
| <u>ICAO (air)</u> | NOT REGULATED |
| <u>IATA</u> | NOT REGULATED |

IMDG NOT REGULATED
RID NOT REGULATED
ADR NOT REGULATED
ADN NOT REGULATED

15. Regulatory Information

International Inventories

TSCA Complies
DSL/NDSL Complies
EINECS/ELINCS Complies
ENCS Complies
IECSC Complies
KECL Complies
PICCS Complies
AICS Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard NO
Chronic health hazard NO
Fire Hazard NO
Sudden Release of Pressure Hazard NO
Reactive Hazard NO

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------|------------|---------------|--------------|
| Polydimethylsiloxane, | X | X | X |

| | | | |
|-------------------------------------------------|---|---|---|
| vinyl dimethylsiloxy terminated 68083-19-2 | | | |
| Trade secret | X | X | X |
| Dimethyl, methylhydrogen siloxane 68037-59-2 | X | X | X |

U.S. EPA Label information

EPA Pesticide registration number Not Applicable

16. Other information, including date of preparation of the last revision

| | | | | |
|-------------|------------------|----------------|--------------------|---|
| NFPA | Health Hazards 0 | Flammability 1 | Instability 0 | - |
| HMIS | Health Hazards 0 | Flammability 1 | Physical Hazards 1 | - |

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Revision note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet