

**SDS - SAFETY DATA SHEET****SECTION I: PRODUCT IDENTIFICATION****Product name:** MASTERS® HIGH TEMPERATURE SILICONE**Product use:** Gasket Making Silicone Sealant**Supplier name and address:**

G.F. THOMPSON CO. LTD.

620 Steven Court, Unit 11

Newmarket, Ontario

L3Y 6Z2

Manufacturer name and address:

Refer to supplier.

Emergency Tel:

Mon – Fri, 7:30 am to 5:00 pm EST

905-898-2557

800-499-3673 (toll free)

24 hr Emergency Tel:

905-252-6219 or 647-448-2050

SECTION II: HAZARDS**Label Elements**

Not classified under any hazard class. Precautionary Statement(s):

Prevention:

Use only outdoors or in a well-ventilated area.

Other Hazards

None known.

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS**Substance/Mixture:**

Mixture

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|---------------------------|------------|----------|---------------------|-------------|
| Silica 2482, hydrophobic | 7631-86-9 | 5.0-10.0 | Silicon Dioxide | |
| Ferric oxide | 1309-37-1 | 1.0-5.0 | Iron (III) oxide | |
| Aluminum powder, uncoated | 7429-90-5 | 1.0- 5.0 | Aluminium | |
| Carbon black | 1333-86-4 | 0.1-1.0 | Carbon Black | |
| Titanium dioxide | 13463-67-7 | 0.1-1.0 | Titanium (IV) oxide | |

SECTION IV: FIRST AID**First-aid Measures****Inhalation**

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Get medical advice or attention if you feel unwell or are concerned. Rinse mouth with water. Do not induce vomiting.

First-aid Comments

If exposed or concerned, get medical advice or attention. Most Important Symptoms and Effects, Acute and Delayed None known.

Immediate Medical Attention and Special Treatment Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION V: FIREFIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; very toxic, flammable formaldehyde; silicon oxides; metal oxides.

Special Protective Equipment and Precautions for Fire-fighters

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours. Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Dike spilled product to prevent runoff. Review Section 13 (Disposal Considerations) of this safety data sheet.

SECTION VII: HANDLING AND STORAGE

Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Only use where there is adequate ventilation.

Conditions for Safe Storage

No special requirements for storage area. Comply with all applicable health and safety regulations, fire and building codes.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|---------------------------|-------------------------|-----------------|-----------------------|-----------------|-----------------|-----------------|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Silica 2482, hydrophobic | Not established | Not established | 10 mg/m ³ | Not established | Not established | Not established |
| Carbon black | 3 mg/m ³ A3 | Not established | 3.5 mg/m ³ | Not established | Not established | Not established |
| Ferric oxide | 5 mg/m ³ | | 10 mg/m ³ | | | |
| Titanium dioxide | 10 mg/m ³ A4 | Not established | 15 mg/m ³ | Not established | Not established | Not established |
| Aluminum powder, uncoated | 1 mg/m ³ | | 15 mg/m ³ | | | |

Appropriate Engineering Controls

The hazard potential of this product is relatively low. General ventilation is usually adequate.

Individual Protection Measures Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not normally required if product is used as directed.

SECTION XI: PHYSICAL AND CHEMICAL PROPERTIES**Basic Physical and Chemical Properties**

| | |
|--|---|
| Appearance | Red viscous paste. |
| Odour | Vinegar |
| Odour Threshold | Not available |
| pH | Not applicable |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Initial Boiling Point/Range | Not applicable |
| Flash Point | Not applicable |
| Evaporation Rate | Not applicable |
| Flammability (solid, gas) | Will not burn. |
| Upper/Lower Flammability or Explosive Limit | Not available (upper); Not available (lower) |
| Vapour pressure | Not applicable |
| Vapour density (air = 1) | Not available |
| Relative Density (water = 1) | 1.007 at 25°C (77°F) |
| Solubility | Not available in water; not available (other liquids) |
| Partition Coefficient, n-Octanol/Water (log Kow) | Not available |
| Auto-ignition Temperature | Not applicable |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic); Not available (dynamic) |

Other Information

Physical State: Liquid

SECTION X: STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Decomposes in the presence of increased temperature.

Conditions to Avoid

Prolonged exposure to high temperatures. Water, moisture or humidity. Temperatures above 150.0 °C (302.0 °F)

Incompatible Materials

Forms corrosive chemicals on contact with: water. Forms toxic chemicals on contact with: strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid).

Hazardous Decomposition Products

Very toxic, flammable formaldehyde. carbon oxides silicon oxides metal oxides.

SECTION XI: TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Skin contact; ingestion; eye contact.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---------------------------|--|---------------------|------------------------|
| Silica 2482, hydrophobic | > 2.08 mg/L (rat) (dust) | > 3300 mg/kg (rat) | > 5000 mg/kg (rabbit) |
| Carbon black | 6750 mg/L (rat) (4-hour exposure) | | |
| Ferric oxide | | > 10000 mg/kg (rat) | |
| Titanium dioxide | > 6820 mg/kg (rat) (4-hour exposure) | > 25000 mg/kg (rat) | > 10000 mg/kg (rabbit) |
| Aluminum powder, uncoated | > 1000 mg/m ³ (rat) (4-hour exposure) | | |

Skin Corrosion/Irritation

No information was located. May cause very mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

May cause very mild irritation based on information for closely related chemicals.

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

No information was located.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located. Respiratory and/or Skin Sensitization No information was located.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|--------------------------|----------|------------|------------|------------|
| Silica 2482, hydrophobic | Group 3 | Not Listed | Not Listed | Not Listed |
| Carbon black | Group 2B | A3 | Not Listed | Not Listed |
| Ferric oxide | Group 3 | A4 | Not Listed | Not Listed |
| Titanium dioxide | Group 2B | A4 | Not Listed | Not Listed |

Not known to cause cancer.

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on **Cancer**. Group 3 = Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity Development of Offspring

Conclusions cannot be drawn from the limited studies available.

Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

Effects on or via Lactation

Conclusions cannot be drawn from the limited studies available.

Germ Cell Mutagenicity

Conclusions cannot be drawn from the limited studies available.

Interactive Effects

No information was located.

SECTION XII: ECOLOGICAL INFORMATION

Refer to the supplier for Ecological Information

SECTION XIII: DISPOSAL CONSIDERATIONS

Refer to the supplier for Disposal Considerations.

SECTION XIV: TRANSPORT INFORMATION

Refer to the supplier for Transport Information

SECTION XV: REGULATORY INFORMATION

Refer to the supplier for Regulatory Information

SECTION XVI: OTHER

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