MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product name: MASTERS HIGH TEMP SILICONE
Product use: Gasket Making Silicone Sealant

Supplier name and address:
G.F. THOMPSON CO. LTD.
620 Steven Court
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 416-786-4336

WHMIS CLASS: D2A, D2B

SECTION II - INGREDIENTS

MATERIAL	CAS. NO.	%	LD50(oral-rat)	LC50(inhalation-rat)
Amorphous Silica	7631-86-9	7.0 – 13.0	3,160 mg/kg	>0.139 mg/L (4 hr)
Methyl Triacetoxysilane	4253-34-3	1.0 - 5.0	1600 mg/kg	not available
Ethyl Triacetoxysilane	17689-77-9	1.0 -5.0	1,460 mg/kg	not available
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1.0	1,540 mg/kg	36 mg/L (4hr)
Iron Oxide	1309-37-1	1.0 – 5.0	Not available	Not available

The ingredients listed above are controlled products as defined in CPR, am. SOR/88-555 or 29 CFR 1910.1200

SECTION III - PHYSICAL DATA

Physical State: Paste
Odour and Appearance: Acetic acid / red or black thixotropic sealant
Odour Threshold: Not available
Specific Gravity: 1.01
Vapour Pressure: Not available
Vapour Density: Not available
Evaporation Rate: Not available
Boiling Point: Not available
Freezing Point: Not available
pH (ASTM D1293): 3.2
Coeff. Oil/Water Distribution: Not available
Volatile Organic Compound (VOC): 30 grams per liter, <3% by weight (Chemically Curing Sealants and Caulks – CARB Method 310: VOC less water, less exempt compounds and LVP-VOCs).

SECTION IV - FIRE AND EXPLOSION DATA

Flammable Conditions:	Avoid direct sources of heat or ignition in uncured state.
Extinguishing Media:	Carbon dioxide, dry chemical, water fog or foam. Water can be used to cool fire exposed containers.
Fire Fighter Measures:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan.
Flash Point:	Not applicable
Flammability Limits:	Lower Explosion Limit – not available Upper Explosion Limit – not available
Auto-ignition Temperature:	Not available
Hazardous Decomposition Products:	Carbon oxides, silicone dioxide, metal oxides, formaldehyde, and traces of incompletely burned carbon products.
Sensitivity:	Impact: None Static: None

SECTION V - REACTIVITY DATA

Chemical Stability:	Stable.
Incompatible Materials:	Strong oxidizing agents or electrophiles (e.g. ferric chloride). Concentrated acids or bases can degrade the silicone polymer.
Reactive Conditions:	Moisture and incompatible materials.
Hazardous Polymerization:	Will not occur.

SECTION VI - TOXICOLOGICAL PROPERTIES

******Routes of exposure and acute effects******

Eyes:	Direct contact may cause moderate irritation
Skin:	May cause moderate irritation
Inhalation:	Irritates respiratory passages very slightly. If high vapour concentrations are attained then central nervous system depression may occur, characterized by drowsiness, dizziness, confusion or loss of coordination.
Ingestion:	Low ingestion hazard in normal use
Effects of Overexposure:	Acetic acid vapours may irritate eyes, nose and throat. Direct contact with eyes and skin will irritate.
Sensitization:	No known applicable information.
Carcinogenicity:	No ingredients considered by IARC, NTP or OSHA to be carcinogens except in the Black Sealant: Carbon Black (CAS# 1333-86-4): IARC Group 2B – possibly carcinogenic to humans.
Reproductive Toxicity:	Evidence of reproductive effects in laboratory animals when exposed to Octamethylcyclotetrasiloxane (CAS# 556-67-2) by inhalation at concentrations of 500 ppm or higher for 70 days prior to mating.
Teratogenicity:	No effects observed in laboratory animals when exposed to Octamethylcyclotetrasiloxane (CAS# 556-67-2) by inhalation at concentrations up to 700ppm.
Mutagenicity:	No known applicable information.
Synergistic Products:	No known applicable information.

SECTION VII - FIRST AID

Eyes:	Flush with copious quantities of lukewarm water. Do not attempt to physically remove the solids or gums from the eye. Seek medical attention immediately.
Skin:	Remove contaminated clothing. Wash thoroughly with warm water and non-abrasive soap. Seek medical attention if you feel ill or a reaction develops.
Inhalation:	Remove to fresh air and provide water. Seek medical attention if you feel ill or a reaction develops.
Ingestion:	Get medical attention.

SECTION VIII - PREVENTIVE MEASURES

Spill Leak or Release:	Restrict access to the area of the spill. Provide ventilation and protective clothing. Scrape up sealant and place in container for disposal. Clean area as appropriate since silicone materials can represent a slip hazard. Cleaning may require steam or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.
Waste Disposal:	Local, provincial, federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup.
	*****PROTECTIVE EQUIPMENT*****
Respiratory:	Use respiratory protection unless local exhaust ventilation is provided or exposures are within guidelines.
Ventilation:	In indoor applications, passive ventilation (opening of doors and windows) is recommended. Local exhaust as necessary to keep exposure levels within guidelines.
Personal Protective Equipment:	Safety glasses with side-protection, impermeable gloves (e.g., neoprene, nitrile, silver shield (R)), coveralls or apron are important in preventing contamination of eyes, skin and clothing. Wash thoroughly after handling.
	***** STORAGE & HANDLING *****
Handling and Storage:	Store in an adequately ventilated area under dry conditions between 50°F (10°C) to 77°F (25°C) and keep container tightly sealed when not in use.
Shipping Information:	Not subject to DOT, TDG, IMDG code or IATA Regulations.

SECTION IX - PREPARATION INFORMATION

Prepared by: G.F. THOMPSON CO. LTD.
Preparation date: September 30, 2015