SDS - SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

Product name: MASTERS® SILICONE SEALANT (COLOURED)
Product use: Silicone sealant and adhesive

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 IDENTIFICATION

GHS Classification:	Eye irritation	–	Category 2B
	Skin irritation	–	Category 2
	Skin sensitization	–	Category 1B
	Carcinogenicity	–	Category 2

GHS Label elements:

Hazard symbols:

Signal word: **Warning**

Hazard statements:
Causes skin irritation
May cause an allergic skin reaction Causes eye irritation
Suspected of causing cancer

Precautionary statements:

Prevention:
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood. Avoid breathing dust, fume or vapors.
Do not get in eyes, on skin or on clothing.
Wash hands and other skin areas thoroughly after handlingUse only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace Wear protective gloves/protective clothing/eye protection/face protection.

Response :
If on skin, wash with plenty of soap and water.If skin irritation or rash occurs, get medical attention.
If in eyes, rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

Storage:
Store locked up. Store in a well-ventilated place.

Disposal:
Dispose of contents and container in accordance with applicable local, regional, national and international regulations.

Other hazards: None known

Supplemental information: 95% of the mixture consists of component(s) of unknown acute inhalation toxicity

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Chemical Name	CAS No.	Concentration (%)
Silicone Dioxide	7631-86-9	5.0 – 10.0
Distillates (Petroleum), Hydrotreated Middle	64742-46-7	5.0 – 10.0
Pigmented sealants may contain:		
Carbon Black	1333-86-4	0.1 – 1.0
Titanium Dioxide	13463-67-7	0.1 – 1.0
Pigment Blue 15	147-14-8	1.0 – 5.0
Iron Oxide	1309-37-1	1.0 – 5.0

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

SECTION IV: FIRST AID MEASURES

Eye contact: Flush with copious quantities of lukewarm water for at least 15 minutes. Do not attempt to physically remove the solids or gums from the eye. Seek medical attention immediately if irritation persists.

Skin contact: 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: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed: None known.

Indication of immediate medical attention and special treament needed: Provide general supportive measures and treat symptomatically.

SECTION V: FIREFIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemical, water fog or foam. Water can be used to cool fire exposed containers.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: Exposure to combustion products such as carbon oxides, silicon oxides and formaldehyde may be hazard to health.

Special protective equipment and precautions for fire fighters: 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.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Follow safe handling advice and personal protective equipment recommendations in Section 8.
Environment precautions:	Discharged into the environment must be avoided. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up:	Restrict access to the area of the spill. Provide ventilation, NIOSH/MHSA approved respirator and protective clothing. Scrape up sealant and place incontainer for disposal. Clean area as appropriate since silicone materials can represent a slip hazard. Cleaning may require steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state, 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.

SECTION VII: HANDLING AND STORAGE

Precautions for safe handling:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage, including any incompatibilities:	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. Do not store with strong oxidizing agents.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Ingredient	CAS No.	Value Type (form of exposure)	Control parameters/ Permissible concentration	Basis
Silicone Dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3/%SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m3 (Silica)	NIOSH REL
Distillates (Petroleum), Hydrotreated Middle	64742-46-7	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Carbon Black	1333-86-4	TWA	3.5 mg/m3	NIOSH REL
		TWA	3.5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	3 mg/m3	ACGIH
Titanium Dioxide	13463-67-7	TWA	15 mg/m^3	OSHA PEL
		TWA	10 mg/m^3	ACGIH TLV
Iron Oxide	1309-37-1	TWA	10 mg/m^3	OSHA PEL
		TWA (Respirable fraction)	5 mg/m^3	ACGIH TLV
Pigment Blue 15	147-14-8	TWA	1 mg/m^3	OSHA PEL
		TWA	1 mg/m^3	ACGIH TLV

Engineering controls: Ensure adequate ventilation, especially in confined areas.
Minimize workplace

exposure concentrations. Use respiratory protection unless local exhaust ventilation is provided or exposures are 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.

SECTION XI: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste, thixotropic sealant
Odor:	Acetic acid
Odor threshold:	Not available
pH (ASTM D1293):	3.2
Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	>212°F (100°C) Closed Cup Method
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not classified as a flammability hazard
Upper flammability or explosion limit: Not available **Lower flammability or explosion limit:** Not available **Vapor pressure:** Not applicable	
Vapor density:	Not available
Specific gravity:	1.01
Solubility:	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not applicable
Acid Reserve, g NaOH/100 g (CCCR 2001, Sections 43 and 44):	0.17
Volatile Organic Content:	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 X: STABILITY AND REACTIVITY

Reactivity:	Not classified as a reactivity hazard.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions: At above	Use at elevated temperatures may form highly hazardous compounds. 150°C (300°F) in the presence of air, trace quantities of formaldehyde may be released. Acetic acid is formed upon contact with water or humid air.
Conditions to avoid:	Moisture and incompatible materials.
Incompatible materials:	Strong oxidizing agents or electrophiles (e.g. ferric chloride). Concentrated acids or bases can degrade the silicone polymer.
Hazardous decomposition products:	Carbon oxides, silicone dioxide, metal oxides, formaldehyde and traces of incompletely burned carbon products.

SECTION XI: TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure:

Inhalation:	Prolonged inhalation may be harmful.
Ingestion:	May be harmful if swallowed.
Skin contact:	May cause an allergic skin reaction.
Eye contact:	May cause eye irritation on direct contact.
Symptoms related to the physical, Although the **chemical and toxicological** sealant, **characteristics:** Although the	May cause an allergic skin reaction. Suspected of causing cancer. carbon black (CAS# 1333-86-4) is encapsulated by the silicone prolonged overexposure to carbon black dust causes lung fibrosis. titanium dioxide (CAS# 13463-67-7) is encapsulated by the silicone sealant, prolonged overexposure to titanium dioxide dust causes tightness pain in the chest, coughing and difficulty breathing.
Acute toxicity:	**Silicone Dioxide (CAS# 7631-86-9):** LD50 (Oral-Rat): >3300 mg/kg LC50 (Inhalation-Rat): >2.08 mg/L (4 hrs.) LD50 (Dermal-Rabbit): >5000 mg/kg **Distillates(Petroleum), Hydrotreated Middle (CAS# 64742-46-7):** LD50 (Oral-Rat): >5000mg/kg LC50 (Inhalation-Rat): 1.78 mg/L (4 hrs.) LD50 (Dermal-Rat): >2000 mg/kg **Carbon Black (CAS# 1333-86-4):** LD50 (Oral-Rat): 14,400mg/kg **Titanium Dioxide (CAS# 13463-67-7):** LD50 (Oral-Rat): 24,000 mg/kg **Pigment Blue 15 (CAS# 147-14-8):** LD50 (Oral-Rat): >10,000mg/kg.
Skin corrosion/irritation:	May cause skin irritation.
Serious eye damage/irritation:	May cause eye irritation.
Aspiration hazard:	Not classified based on available information. Distillates (petroleum), hydrotreated middle (CAS# 64742-46-7) is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.
Specific target organ toxicity – single exposure:	Not classified based on available information.
Specific target organ toxicity – repeated exposure:	Not classified based on available information.
Respiratory or skin sensitization:	Not classified based on available information.
Carcinogenicity:	No ingredients considered by IARC, NTP or OSHA to be carcinogens except in the pigmented sealants which may contain: **Carbon Black (CAS# 1333-86-4):** IARC Group 2B – possibly carcinogenic to humans. **Titanium Dioxide (CAS# 13463-67-7):** IARC Group 2B – possibly carcinogenic to humans.
Reproductive toxicity:	Not classified based on available information.
Teratogenicity:	Not classified based on available information.
Germ-cell mutagenicity:	Not classified based on available information.

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

Prepared by: G. F. Thompson Co. Ltd
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