

SDS - SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

Product name: MASTERS® LLFA Stretch and Seal Compression Tape

Product use: Electrical splice protection, electrical insulation, mechanical seal.

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

This product is a stable, chemically inert, opaque rubber material that has no known health effects in its final state.

GHS Classification:

Reproductive Toxicity Category 2

GHS Label elements

Signal Word **Warning**



Hazard Statements H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements - Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Precautionary Statements - Response

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

Skin

IF ON SKIN: Wash with plenty of soap and water.

Call a POISON CENTER or doctor/physician if you feel unwell

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements - Storage

P405 Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Description	CAS#	% by weight
Octamethylcyclo - tetrasiloxane	556-67-2	<2
Boric Acid	10043-35-3	<1
Silica	112945-52-5	20 - 50 ** , Δ
Di(2,4-dichlorobenzoyl) peroxide	133-14-2	<2

** This material is encapsulated in a polymeric binder which eliminates airborne exposure to Dust Hazard

Δ The exact percentage (concentration) of composition has been withheld as a trade secret

SECTION IV: FIRST AID

General Advice	Show this safety data sheet to the doctor in attendance.
Eyes	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.
Skin	No adverse health effects are expected from skin contact. Contact with skin during final product use is not expected to result in significant irritation
Inhalation	This product may have a characteristic odour; however, no adverse health effects are anticipated. Health effects from inhalation are not expected unless the product is in combustion. If products of combustion are inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs, or breathing becomes difficult. See section 10 for hazardous decomposition products
Ingestion	Due to the physical state of this material, ingestion is unlikely to occur. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aiders	N/A. None required. (see section 8).
Most important symptoms and effects, both acute and delayed	Suspected of damaging fertility or the unborn child
Notes to Physician	Treat symptomatically.

SECTION V: FIREFIGHTING MEASURES

Suitable extinguishing media

Water Spray
Alcohol-resistant foam
Carbon dioxide (CO₂) Dry
Chemical

Unsuitable extinguishing media

None known

Specific hazards arising from the chemical

Exposure to combustion products may be a hazard to health

Hazardous Combustion Products

Carbon oxides Silicon
oxides Formaldehyde
Hydrogen cyanide (hydrocyanic acid) Nitrogen

Protective equipment and precautions for firefighters

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.
Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Use personal protective equipment as required.
Other Information	Refer to protective measures listed in Sections 7 and 8.
Environmental precautions	Discharge into the environment, due to combustion, must be avoided. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods for containment	Prevent further combustion if safe to do so.
Methods for cleaning up	Local or national regulations may apply to releases of hazardous decomposition products of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

SECTION VII: HANDLING AND STORAGE

Precautions for safe handling	No required handling or storage pre-cautions. Ideally, store in the re-sealable bag provided. Recommend storage in a cool, dry, well ventilated area. If possible apply stock rotation.
Conditions for safe storage	When not in use, keep sealed in the bag provided. Keep out of the reach of children. Store in accordance with applicable national regulations
Incompatible Materials	Strong acids. Strong oxidizing agents. Strong bases.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Octamethylcyclotetrasiloxane	556-67-2	TWA	10 ppm	DCC OEL
		TWA	10 ppm	US WEEL

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

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.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION XI: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Solid
Appearance	Rubber-Crepe
Color	Red, Black, Blue, Yellow
Odor	Slight
Odor Threshold	No information available
pH	Not applicable
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	Not applicable
Flammability (solid, gas)	Not classified as a flammability hazard
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapor pressure	Not applicable
Relative vapor density	No data available
Relative density/Specific Gravity	1.18
Solubility(ies)	
Water solubility	No data available
Partition coefficient:	
n- octanol/water	No data available
Auto-ignition temperature	No data available
Thermal decomposition	No data available
Viscosity	
Viscosity, dynamic	No data available

SECTION X: STABILITY AND REACTIVITY

Reactivity	Not classified as a reactivity hazard.
Chemical stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Can react with strong oxidizing agents. When under combustion, in the presence of air, product can form formaldehyde vapors. Safe handling conditions may be maintained by keeping vapor concentrations within the occupational exposure limit for formaldehyde. Formaldehyde may cause cancer. It is also toxic by inhalation, skin absorption and ingestion, corrosive to skin and eyes, and may cause skin sensitization and respiratory irritation. See OSHA formaldehyde standard, 29 CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	Strong acids. Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products	Carbon oxides, Silicon oxides, Formaldehyde, Hydrogen cyanide (hydrocyanic acid), Nitrogen

SECTION XI: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

- Skin contact
- Ingestion
- Eye contact

Acute toxicity

Not classified based on available information.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Octamethylcyclotetrasiloxane	LD50 (Rat): > 4,800 mg/kg Assessment: The substance or mixture has no acute oral toxicity Remarks: Based on test data	LD50 (Rabbit): > 2.5 ml/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on test data	LC50 (Rat): 2975 ppm Exposure time: 4 h Test atmosphere: vapor Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Based on test data

Information on toxicological effects

Skin corrosion/irritation

Not classified based on available information.

Ingredients:

Octamethylcyclotetrasiloxane:

Species: Rabbit

Result: No skin irritation Remarks: Based on test data

Serious eye damage/eye irritation

Not classified based on available information.

Ingredients:

Octamethylcyclotetrasiloxane:

Species: Rabbit

Result: No eye irritation Remarks: Based on test data

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information. Respiratory sensitization: Not classified based on available information.

Ingredients:

Octamethylcyclotetrasiloxane:

Assessment: Does not cause skin sensitization.

Test Type: Maximization Test (GPMT) Species: Guinea pig

Remarks: Based on test data

Germ cell mutagenicity

Not classified based on available information.

Ingredients:

Octamethylcyclotetrasiloxane:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative
Remarks: Based on test data

:Test Type: Mutagenicity (in vitro mammalian cytogenetic test) Result: negative
Remarks: Based on test data

:Test Type: Chromosome aberration test in vitro Result: negative
Remarks: Based on test data

:Test Type: In vitro sister chromatid exchange assay in mammalian cells
Result: negative
Remarks: Based on test data

:Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)
Result: negative
Remarks: Based on test data

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Test species: Rat
Application Route: inhalation (vapor) Result: negative
Remarks: Based on test data

Test Type: Rodent dominant lethal test (germ cell) (in vivo) Test species: Rat
Application Route: Ingestion Result: negative
Remarks: Based on test data

Germ cell mutagenicity- Assessment: Animal testing did not show any mutagenic effects.

Carcinogenicity

Not classified based on available information.

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Suspected of damaging fertility of the unborn child.

Ingredients: Octamethylcyclotetrasiloxane:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat, male and female Application Route:
inhalation (vapor) Symptoms: Effects on fertility.
Remarks: Based on test data

Effects on fetal development : Test Type: Prenatal development toxicity study (teratogenicity)
Species: Rabbit
Application Route: inhalation (vapor) Symptoms: No effects on fetal development.
Remarks: Based on test data

Reproductive toxicity – Assessment

Some evidence of adverse effects on sexual function and fertility based on animal experiments.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Ingredients: Octamethylcyclotetrasiloxane:

Routes of exposure: Ingestion
Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

Routes of exposure: inhalation (vapor)
Assessment: No significant health effects observed in animals at concentrations of 1 mg/l/6h/d or less.

Routes of exposure: Skin contact
Assessment: No significant health effects observed in animals at concentrations of 200 mg/kg bw or less.

Repeated dose toxicity

Ingredients: Octamethylcyclotetrasiloxane:

Species: Rat

Application Route: Ingestion Remarks: Based on test data

Species: Rat

Application Route: inhalation (vapor) Remarks: Based on test data

Species: Rabbit

Application Route: Skin contact Remarks: Based on testdata

Aspiration toxicity

Not classified based on available information.

Further information

Ingredients:

Octamethylcyclotetrasiloxane:

Remarks: Results from a 2 year repeated vapor inhalation exposure study to rats of octamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700 ppm) only. Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans. Based on the available information on its potential to cause harm to human health, Health Canada, in a 2008 screening assessment, has concluded that octamethylcyclotetrasiloxane is not entering the environment in a quantity or concentration or under conditions that constitute or may constitute a danger in Canada to human life or health (<http://www.ec.gc.ca/ese-ees/default.asp?lang=En&n=2481B508-1>).

Repeated exposure in rats to D4 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

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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