

**MOSITES****RUBBER COMPANY, INC.****MATERIAL SAFETY DATA SHEET**

Material: Mosites #1047

Version 1.0

Revision Date: 5-22-12

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**Section 1** Product and Company Identification

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Trade Name	Mosites #1047
Product Group	Fluoroelastomer
Manufacturer	Mosites Rubber Company 2720 Tillar Street Fort Worth, Texas 76107 USA
Customer Information	Tel (817) 335-3451, Fax (817) 870-1564 <a href="http://www.mositesrubber.com">www.mositesrubber.com</a>
Emergency Telephone no.	(817) 335-3451
Office hours:	7:30am-5pm CST Monday-Thursday, 8am-3:30pm CST Friday

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**Section 2** Composition/Information on ingredients

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Chemical Characterization	Fluoroelastomer polymer
Hazardous Ingredients	This product contains no known hazardous ingredients

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**Section 3** Hazards Identification

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HMIS Rating	Health: 1 Fire: 1 Reactivity: 0 PPE: B
Physical Hazards	
Eye Contact	mechanical irritation
Skin Contact	prolonged contact may cause irritation
Inhalation	Toxic and corrosive hydrogen fluoride may be liberated during processing above 392°F. These vapors can irritate the eyes, nose, throat and lungs. Lung effects may be delayed for several hours.
Mucous membrane contact	unlikely



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Ingestion	unlikely
Chronic health effects	none known
Medical conditions aggravated by exposure	none known
Target organs affected	none known
Signs of exposure	none expected
Carcinogens/Reproductive toxins	none known over 0.1%

**Section 4 First-aid Measures**

Inhalation	Remove to fresh air. Seek medical attention if irritation persists.
Skin Contact	Wipe away excess material then wash with soap and water. Seek medical attention if irritation persists.
Eye Contact	Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	Not a probable route. However, seek medical attention if ingested.

**Section 5 Fire-fighting Measures**

Flammable properties	flash point: over 399°F
Fire and Explosion hazards	Hazardous gases/vapors produced in fire are hydrogen fluoride, carbon monoxide, carbonyl fluoride, and low molecular weight fluorocarbons.
Recommended Extinguishing media	Dry chemical, foam, or fine water spray
Unsuitable extinguishing media	None known
Special protective equipment	A self contained breathing apparatus and protective clothing should be worn.
Special exposure hazards	Does not burn without an external flame. Protect from hydrogen fluoride fumes which react with water to form hydrofluoric acid. Wear Neoprene gloves when handling refuse from a fire.



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**Section 6 Accidental Release Measures**

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Personal precautions	Wear proper protective gear.
Containment	No special measures are required.
Methods for clean up	Sweep up to avoid a slipping hazard.

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**Section 7 Handling and Storage**

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Handling	See First Aid and Personal Protective Equipment sections.
Storage	Store in a clean, dry location away from heat or flames.

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**Section 8 Exposure controls and personal protection**

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Ventilation	Mechanical ventilation in confined areas is recommended.
Personal Protective Equipment	
Respiratory	not normally required with ventilation
Hand	as required by company policy
Eye	as required by company policy
Hygiene	wash with soap and water after contact

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**Section 9 Physical and Chemical properties**

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Appearance	solid elastomeric sheet, color varies, cinnamon odor
Safety Parameters	Flash point: over 399°F
	Vapor pressure: n/a
	Specific Gravity: 1.92 g/cm <sup>3</sup>
	Water solubility: insoluble
	Percent volatiles: less than 1%

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**Section 10** Stability and Reactivity

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General information	stable at room temperature
Conditions to avoid	temperatures above 392°F without adequate ventilation
Materials to avoid	Incompatible with finely divided metals such as aluminum. Compounding with metal powders presents and explosion hazard.
Hazardous decomposition	Hydrogen fluoride, Carbon Monoxide, Carbon Dioxide and perfluoroolefins

**Additional information**

If "Viton" is used or tested at temperatures above 316°C, the surface of the parts may contain HF or HF condensate, which may cause severe burns, sometimes with symptoms delayed for several hours. Wear neoprene or PVC (if temperature is below melting point of PVC) glove when handling parts or equipment after exposure to such high temperatures. If condensate is expected, wash equipment and parts well with limewater (calcium hydroxide solution). Discard gloves after handling degraded "Viton" parts. Small amounts of methyl bromide are formed during vulcanization.

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**Section 11** Toxicological information

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Eye contact	untested
Skin contact	untested
On inhalation	lung changes occurred from repeated exposures
On ingestion	very low toxicity
Other health information	none known

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**Section 12** Ecological information

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Information on elimination	none known
Behaviour in environmental compartments	none known
Ecotoxicological effects	none known



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**Section 13 Disposal considerations**

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Product disposal	Recycling and landfill. Incinerate only if incinerator is capable of scrubbing out hydrogen fluoride and other acidic combustion products.
Packaging disposal	Dispose of in accordance with all local regulations.

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**Section 14 Transport information**

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This product is not regulated for transport by land, sea or air. This includes: US DOT, Canada TDG Surface, IMDG-Code, and ICAO-TI/IATA-DGR.

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**Section 15 Regulatory information**

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This product contains no materials known to violate the following regulations:

TSCA

TSCA 12 (b)

CERCLA

SARA 302 EHS

SARA 311/312

SARA 313

HAPS

California proposition 65 carcinogens

California proposition 65 reproductive toxins

RoHS

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**Section 16 Other information**

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This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and article 31 and Annex II of the EU REACH regulations. This MSDS contains selected regulatory information and is not intended to



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include all regulations. It is the responsibility of the user to comply with all applicable rules, regulations, and laws relating to the use of this product.