



Material: Mosites #1047

Version 1.0

Revision Date: 1-12-15

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Section 1 Product and Company Identification

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Trade Name	Mosites #1047
Product Group	Viton 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 Hazards Identification

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Potential Health Effects

Eyes

Barium sulfate	May irritate eyes. Dust may cause mechanical irritation with tearing, pain or visual impairment.
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Inhalation

1-Propene, 1,1,2,3,3,3-Hexafluoro-, polymer With 1,1-difluoroethene And tetrafluoroethene	Inhalation of decomposition products from overheating may cause lung irritation or shortness of breath. Fluid in the lungs with coughing, wheezing, abnormal lung sounds, possibly progressing to severe shortness of breath and bluish discoloration of skin.
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Repeated exposure

Barium sulfate	lung effects
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Target Organs

Barium sulfate	Lungs
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Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

**Section 3** Composition/information on ingredients

Component	CAS-No.	Concentration
1-propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene	25190-89-0	>98%
Barium sulfate	7727-43-7	<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	If victim is conscious: drink water as a precaution. Consult a physician.
General Advice	When symptoms persist or in all cases of doubt seek medical advice.

**Section 5** Fire-fighting Measures

Flammable properties	flash point: >204°C (>399°F) open cup
Fire and Explosion hazards	Burning produces noxious and toxic fumes.
Suitable extinguishing media	Carbon dioxide (CO <sub>2</sub> ), foam, water, dry chemical

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Firefighting Instructions

Wear self-contained breathing apparatus and protective suit. Wear Neoprene gloves during cleaning up after a fire. Evacuate personal to safe areas. Do not allow run-off from fire fighting to enter drains or water courses. The solid polymer can only be burned with difficulty.

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Section 6 Accidental Release Measures

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Personal precautions

Wear proper protective gear.

Containment

Prevent material from entering drains or water courses.

Methods for clean up

Sweep up to avoid a slipping hazard while observing all environmental regulations.

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Section 7 Handling and Storage

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Handling

Protect from contamination. Provide appropriate exhaust ventilation to prevent dust build-up. Wash hands immediately after handling product. When using do not eat, drink, or smoke.

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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Exposure Guidelines

Exposure Limit Values

Hydrogen fluoride (anhydrous)

PEL: (OSHA) 2.5mg/m<sup>3</sup> 8 hr. TWA as F

PEL: (OSHA) 3 ppm TWA

TLV (ACGIH) 0.5 ppm TWA as F

TLV (ACGIH) 2 ppm TLV\_C as F skin

Biological Exposure Indices

Hydrogen fluoride (anhydrous)

BEI (ACGIH) 2 mg/l fluorides/Urine prior to shift

BEI (ACGIH) 3 mg/l fluorides/Urine end of shift

Section 9 Physical and Chemical properties

Form sheets  
Color black  
Specific Gravity 1.89 g/cm<sup>3</sup>  
Water solubility insoluble

Section 10 Stability and Reactivity

Conditions to avoid Processing temperatures > 200°C (>392°F). Avoid heating for prolonged periods above the upper processing limit. Hazardous decomposition products may be produced.

Incompatibility Powdered metals, Alkali metals, and Alkaline earth metals.

Hazardous decomposition Hydrogen fluoride, Carbonyl fluoride, Fluorinated hydrocarbons, and Fluorinated olefins.

Hazardous reactions Polymerization will not occur. During drying, cleaning and molding, small amounts of hazardous



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gases and/or particulate matter may be released that may irritate eyes, nose and throat.

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**Section 11 Toxicological information**

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Information No data is available on the product itself.

1-Propene, 1, 1, 2, 3, 3, 3-hexafluoro-, polymer

Oral ALD > 5,000 mg/kg, rat

Skin irritation non-irritant, rabbit

Barium sulfate

Oral LD50 >5,000 mg/kg, rat

Skin irritation non-irritant, human

Skin sensitization none, human

Repeated dose toxicity Inhalation, animal

Mutagenicity none in animals

Reproductive toxicity none in animals

Teratogenicity none in animals

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**Section 12 Ecological information**

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1-Propene, 1,1,2,3,3,3-hexafluoro- polymer

This substance is not expected to produce toxic effects.

48h EC50 Daphnia magna (Water flea) > 232 mg/l

Additional information No quantitative data exists concerning the ecological effects of this product.

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**Section 13 Disposal considerations**

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Waste Disposal Dispose in accordance with all company and local regulations.

Packaging disposal Dispose of in accordance with all company and 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:

EINECS

TSCA

TSCA 12 (b)

AICS

DSL

ENCS (JP)

KECI (KR)

PICCS (PH)

INV (CN)

ISHL (JP)

NZIOC

NZ HSNO

CERCLA

SARA 302 EHS

SARA 311/312

SARA 313

HAPS

California proposition 65

PA Right to Know

NJ Right to Know

RoHS



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Section 16

Other information

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Restrictions for use

Do not use Mosites Rubber Company materials in medical applications involving implantation in the human body or in contact with internal body fluids or tissues.

The information provided in the Safety Data Sheet is correct to the best of our knowledge as of the date of publication. This SDS contains selected regulatory information and is not intended to 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.