Material: Mosites #10149
Version 2.0        Revision Date: 01-04-18

Section 1   Product and Company Identification

Trade Name     Mosites #10149
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
                       www.mositesrubber.com
Emergency Telephone no.   (817) 335-3451
Office hours: 7:30am-5pm CST Monday-Thursday, 8am-3:30pm CST Friday

Section 2   Hazards Identification

Potential Health Effects

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

   Inhalation
   1-Propene, 1,1,2,3,3,3-
   Hexafluoro-, polymer   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.
   With 1,1-difluoroethene
   And tetrafluoroethene

   Repeated exposure
   Barium sulfate       lung effects

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene</td>
<td>25190-89-0</td>
<td>&gt;98%</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>7727-43-7</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

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 (CO2), foam, water, dry chemical
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.

Section 6   Accidental Release Measures

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.

Section 7   Handling and Storage

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.

Section 8   Exposure controls and personal protection

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
Exposure Guidelines

Exposure Limit Values

Hydrogen fluoride (anhydrous)

PEL: (OSHA) 2.5 mg/m³ 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 1.70 g/cm³
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
gases and/or particulate matter may be released that may irritate eyes, nose and throat.

Section 11   Toxicological information

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

Section 12   Ecological information

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.

Section 13   Disposal considerations

Waste Disposal Dispose in accordance with all company and local regulations.
Packaging disposal Dispose of in accordance with all company and local regulations.
Section 14  Transport information

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.

Section 15  Regulatory information

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
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.