Material: Mosites #10320
Version 2.0
Revision Date: 01-04-18

Section 1   Product and Company Identification

Trade Name     Mosites #10320
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
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.

Repeated exposure
Barium sulfate      lung effects

Target Organs
Barium sulfate      Lungs
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 personnel 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

<table>
<thead>
<tr>
<th>Personal precautions</th>
<th>Wear proper protective gear.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Containment</td>
<td>Prevent material from entering drains or water courses.</td>
</tr>
<tr>
<td>Methods for clean up</td>
<td>Sweep up to avoid a slipping hazard while observing all environmental regulations.</td>
</tr>
</tbody>
</table>

### Section 7  Handling and Storage

<table>
<thead>
<tr>
<th>Handling</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>Store in a clean, dry location away from heat or flames.</td>
</tr>
</tbody>
</table>

### Section 8  Exposure controls and personal protection

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Mechanical ventilation in confined areas is recommended.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Protective Equipment</td>
<td></td>
</tr>
<tr>
<td>Respiratory</td>
<td>not normally required with ventilation</td>
</tr>
<tr>
<td>Hand</td>
<td>as required by company policy</td>
</tr>
<tr>
<td>Eye</td>
<td>as required by company policy</td>
</tr>
<tr>
<td>Hygiene</td>
<td>wash with soap and water after contact</td>
</tr>
</tbody>
</table>
Exposure Guidelines

Exposure Limit Values

Hydrogen fluoride (anhydrous)
PEL: (OSHA) 2.5mg/m$^3$ 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>sheets</td>
</tr>
<tr>
<td>Color</td>
<td>black</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.81 g/cm$^3$</td>
</tr>
<tr>
<td>Water solubility</td>
<td>insoluble</td>
</tr>
</tbody>
</table>

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
### Section 11  Toxicological information

<table>
<thead>
<tr>
<th>Material</th>
<th>Toxicological characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Propene, 1, 1, 2, 3, 3, 3-hexafluoro-, polymer</td>
<td>Oral ALD: &gt; 5,000 mg/kg, rat</td>
</tr>
<tr>
<td></td>
<td>Skin irritation: non-irritant, rabbit</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>Oral LD50: &gt; 5,000 mg/kg, rat</td>
</tr>
<tr>
<td></td>
<td>Skin irritation: non-irritant, human</td>
</tr>
<tr>
<td></td>
<td>Skin sensitization: none, human</td>
</tr>
<tr>
<td></td>
<td>Repeated dose toxicity: Inhalation, animal</td>
</tr>
<tr>
<td></td>
<td>Mutagenicity: none in animals</td>
</tr>
<tr>
<td></td>
<td>Reproductive toxicity: none in animals</td>
</tr>
<tr>
<td></td>
<td>Teratogenicity: none in animals</td>
</tr>
</tbody>
</table>

### Section 12  Ecological information

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

This substance is not expected to produce toxic effects.

<table>
<thead>
<tr>
<th>48h EC50</th>
<th>Daphnia magna (Water flea) &gt; 232 mg/l</th>
</tr>
</thead>
</table>

**Additional information**

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

### Section 13  Disposal considerations

<table>
<thead>
<tr>
<th>Waste Disposal</th>
<th>Dispose in accordance with all company and local regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging disposal</td>
<td>Dispose of in accordance with all company and local regulations.</td>
</tr>
</tbody>
</table>

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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.