Section 1  Product and Company Identification

Trade Name       Mosites #10138
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 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 | not normally required with ventilation |
| Respiratory              | as required by company policy |
| Hand                    | as required by company policy |
| Eye                     | wash with soap and water after contact |
| Hygiene                 | |

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Exposure Guidelines

Exposure Limit Values

Hydrogen fluoride (anhydrous)

<table>
<thead>
<tr>
<th>PEL:</th>
<th>(OSHA)</th>
<th>2.5mg/m³ 8 hr. TWA as F</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL:</td>
<td>(OSHA)</td>
<td>3 ppm TWA</td>
</tr>
<tr>
<td>TLV</td>
<td>(ACGIH)</td>
<td>0.5 ppm TWA as F</td>
</tr>
<tr>
<td>TLV</td>
<td>(ACGIH)</td>
<td>2 ppm TLV_C as F skin</td>
</tr>
</tbody>
</table>

Biological Exposure Indices

Hydrogen fluoride (anhydrous)

<table>
<thead>
<tr>
<th>BEI</th>
<th>(ACGIH)</th>
<th>2 mg/l fluorides/Urine prior to shift</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI</td>
<td>(ACGIH)</td>
<td>3 mg/l fluorides/Urine end of shift</td>
</tr>
</tbody>
</table>

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>1.89 g/cm³</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...
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.
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.

This product contains no materials known to violate the following regulations:
EINECS
TSCA
TSCA 12 (b)
AICS
DSL
ENCS (JP)
KECI (KR)
PCCCS (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.