Section 1  Product and Company Identification

Trade Name          Mosites #1097
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

Eyewear
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</td>
<td>25190-89-0</td>
<td>&gt;98%</td>
</tr>
<tr>
<td>tetrafluoroethene</td>
<td></td>
<td></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
SAFETY DATA SHEET

Material: Mosites #1097
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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

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**

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

**Biological Exposure Indices**

<table>
<thead>
<tr>
<th>Substance</th>
<th>BEI (ACGIH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen fluoride (anhydrous)</td>
<td>2 mg/l fluorides/Urine prior to shift</td>
</tr>
<tr>
<td></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>1.96 g/cm³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>insoluble</td>
</tr>
</tbody>
</table>

**Section 10 Stability and Reactivity**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions to avoid</td>
<td>Processing temperatures &gt; 200°C (&gt;392°F). Avoid</td>
</tr>
<tr>
<td></td>
<td>heating for prolonged periods above the upper</td>
</tr>
<tr>
<td></td>
<td>processing limit. Hazardous decomposition</td>
</tr>
<tr>
<td></td>
<td>products may be produced.</td>
</tr>
<tr>
<td>Incompatibility</td>
<td>Powdered metals, Alkali metals, and Alkaline</td>
</tr>
<tr>
<td></td>
<td>earth metals.</td>
</tr>
<tr>
<td>Hazardous decomposition</td>
<td>Hydrogen fluoride, Carbonyl fluoride, Fluorinated</td>
</tr>
<tr>
<td></td>
<td>hydrocarbons, and Fluorinated olefins.</td>
</tr>
<tr>
<td>Hazardous reactions</td>
<td>Polymerization will not occur. During drying,</td>
</tr>
<tr>
<td></td>
<td>cleaning and molding, small amounts of hazardous</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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Version 2.0
Revision Date: 01-04-18

Section 11   Toxicological information

<table>
<thead>
<tr>
<th>Substance</th>
<th>Information</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.

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
Section 16 Other information

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.