Section 1  Product and Company Identification

Trade Name
Mosites #1035

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
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.

<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</td>
<td>25190-89-0</td>
<td>&gt;98%</td>
</tr>
<tr>
<td>with tetrafluoroethene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>7727-43-7</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

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.

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
Material: Mosites #1035
Version 2.0

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

| Form      | sheets  |
| Color     | black   |
| Specific Gravity | 1.87 g/cm$^3$ |
| 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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**Version 2.0**  
**Revision Date:** 01-04-18

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

## Section 11  Toxicological information

<table>
<thead>
<tr>
<th>Substance</th>
<th>Information</th>
<th>Oral ALD</th>
<th>Skin irritation</th>
<th>Mutagenicity</th>
<th>Reproductive toxicity</th>
<th>Teratogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Propene, 1,1,2,3,3-hexafluoro-, polymer</td>
<td>No data is available on the product itself.</td>
<td>&gt;5,000 mg/kg, rat</td>
<td>non-irritant, rabbit</td>
<td>none in animals</td>
<td>none in animals</td>
<td>none in animals</td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>Oral LD50</td>
<td>&gt;5,000 mg/kg, rat</td>
<td>non-irritant, human</td>
<td>none in animals</td>
<td>none in animals</td>
<td>none in animals</td>
</tr>
</tbody>
</table>

## Section 12  Ecological information

1-Propene, 1,1,2,3,3-hexafluoro- polymer  
This substance is not expected to produce toxic effects.

<table>
<thead>
<tr>
<th>48h EC50</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daphnia magna (Water flea) &gt; 232 mg/l</td>
<td>No quantitative data exists concerning the ecological effects of this product.</td>
</tr>
</tbody>
</table>

## 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.