Material: Mosites #10228  
Version 2.0  
Revision Date: 01-04-18

Section 1  
Product and Company Identification

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Mosites #10228</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Group</td>
<td>Fluoroelastomer</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Mosites Rubber Company</td>
</tr>
<tr>
<td></td>
<td>2720 Tillar Street</td>
</tr>
<tr>
<td></td>
<td>Fort Worth, Texas 76107</td>
</tr>
<tr>
<td></td>
<td>USA</td>
</tr>
<tr>
<td>Customer Information</td>
<td>Tel (817) 335-3451, Fax (817) 870-1564</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.mositesrubber.com">www.mositesrubber.com</a></td>
</tr>
<tr>
<td>Emergency Telephone no.</td>
<td>(817) 335-3451</td>
</tr>
<tr>
<td>Office hours</td>
<td>7:30am-5pm CST Monday-Thursday, 8am-3:30pm CST Friday</td>
</tr>
</tbody>
</table>

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.

<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
SAFETY DATA SHEET

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| 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)
PEL: (OSHA) 2.5mg/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 1.85 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
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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.