MOSITES RUBBER COMPANY, INC.

SAFETY DATA SHEET

Material: Mosites #1028
Version 2.0 Revision Date: 03-14-23

Section 1 Product and Company Identification

Trade Name	Mosites #1028
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

Component	CAS-No.	Concentration
1-propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene	25190-89-0	>98%
Barium sulfate	7727-43-7	<1%

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 (CO_2), 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

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	1.91 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

	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.

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.