



Material: Mosites #1453
Version 2.0

Revision Date: 1-11-21

Section 1 Product and Company Identification

Trade Name	Mosites #1453
Product Group	Silicone Rubber Compound
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	May cause eye irritation .
Inhalation	May cause nose, throat and lung irritation.
Repeated exposure	Vapors may have adverse effects on the reproductive system based on animal testing of a component of this material.
Target Organs	Female reproductive system
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



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Chemical Name	CAS No.	Concentration (%)
Hexamethyldisilazane reaction with Silica	68909-20-6	>30 <50
Octamethylcyclotetrasiloxane	556-67-2	>0.3<0.5

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 >200 °C (>392 °F)
Fire and Explosion hazards	Ignition Temperature >400 °C (>752 °F) Burning may produce various hydrocarbon fragments, carbon dioxide, carbon monoxide, silicone dioxide, and formaldehyde.
Suitable extinguishing media Firefighting Instructions	Carbon dioxide (CO ₂), foam, water, dry chemical Wear self-contained breathing apparatus and protective suit. Evacuate personal to safe areas. Do not allow run-off from fire fighting to enter drains or water courses.



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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

Section 9 Physical and Chemical properties

Form	sheets, or random shapes
Color	opaque
Specific Gravity	1.15 g/cm ³
Water solubility	insoluble



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Section 10 Stability and Reactivity

Conditions to avoid	Processing temperatures > 200°C (>392°F). Avoid heating for prolonged periods above the upper processing limit.
Incompatibility	Reacts with acids, bases, alcohols, water, oxidizing agents and catalyst to produce hydrogen gas.
Hazardous decomposition	Releases flammable hydrogen gas as well as small amounts of benzene and formaldehyde.
Hazardous reactions	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

Oral	LD50 >4,800 mg/kg, rat
Dermal	LD50 2.5 ml/kg, rabbit
Inhalation	LC50 2975 ppm in 4 hours
Skin irritation	none
Eye irritation	none
Repeated dose toxicity	none
Carcinogenicity	female reproductive at 700 ppm
Mutagenicity	none in animals
Reproductive toxicity	minor at 500ppm and 700ppm
Teratogenicity	none in animals

Section 12 Ecological information

This substance is not expected to produce toxic effects.



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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



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HAPS

RoHS

California proposition 65

PA Right to Know

dimethyl Siloxane, Dimethylvinylsiloxyl
Hexamethyldisilazane reaction with silica

NJ Right to Know

dimethyl siloxane, Dimethylvinylsiloxyl
Hexamethyldisilazane reaction with silica

Dimethyl, methylvinyl siloxane,
dimethylvinyl-

Dimethylcyclosiloxanes

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.