

3% Silicone NF

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: 3% Silicone NF
SDS Number: IMS 06-114-12
Product Code: 170507
Revision Date: 11/9/2022
Version: 2
Product Type: Mold Release
Supplier Details: IMS Company
 10373 Stafford Rd.
 Chagrin Falls, OH 44023-5296
Phone: 1-440-543-1615
Emergency: Chemtel 1-800-255-3924

NOTE: The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We provide this information as guidance for providing personal protection to your employees. The user has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. The user must meet all applicable safety and health standards. We provide this information as guidance for providing personal protection to your employees.

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
 Physical, Gases Under Pressure, Liquefied Gas

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H280 - Contains gas under pressure; may explode if heated

GHS Precautionary Statements:

P405 - Store locked up.
 P410 + P403 - Protect from sunlight. Store in a well-ventilated place.
 P501 - Dispose of contents/container in accordance with local/ regional regulations

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
29118-24-9	20-30%	Trans-1,3,3,3-Tetrafluoroprop-1-ene
102687-65-0	60-80%	Trans-1-Chloro-3,3,3-trifluoropropene
63148-62-9	0.5-10%	Siloxanes and Silicones, di-Me

4 FIRST AID MEASURES

Inhalation: Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

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Skin Contact:	Wash with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.
Eye Contact:	Flush with warm water for 15 minutes. Seek medical attention.
Ingestion:	Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

5 FIRE FIGHTING MEASURES

Flash Point:	None
LEL:	No Information
UEL:	No Information

Extinguishing Media:

Unusual Fire & Explosion Hazards:

This material may be ignited by extreme heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

Special Fire Fighting Procedures:

At elevated temperatures (over 130F) aerosol container may burst, vent or rupture; use equipment or shielding to protect personnel. Cooling exposed containers with streams of water may be helpful. Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely.

Material will float on water, avoid spreading the fire.

6 ACCIDENTAL RELEASE MEASURES

Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Cleanup by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

7 HANDLING AND STORAGE

Handling Precautions:	Store below 120°F in cool, dry area, out of direct sunlight and away from strong oxidizers. Do not puncture or burst. Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing. Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers Do not incinerate
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Storage Requirements:	Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials
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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to
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Personal Protective Equipment:

maintain exposures below TLV levels.

Protective Equipment:

Use synthetic gloves if necessary to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

Engineering Controls:

General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

Respiratory Protection:

Use adequate ventilation to maintain exposure limits. If the exposure limits of the products or any of its components is exceeded, an approved organic vapor mask should be used (consult your safety equipment supplier). Above exposure levels an approved self-contained breathing apparatus or airline respirator with full face-piece is required

Other Suggested Equipment:

Eye wash station and emergency showers should be available. Spill containment equipment should be available.

Discretion Advised:

We take no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

Ingredients	CAS #	Exposure Limits
Trans-1,3,3,3-Tetrafluoroprop-1-ene	29118-24-9	1000 ppm TWA (supplier)
Trans-1-Chloro-3,3,3-trifluoropropene	102687-65-0	NE
Dimethylpolysiloxane	63148-62-9	NE

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear mist as dispensed from aerosol tank	Odor:	Negligible
Boiling Point:	NE	Solubility:	Negligible
Flammability:	Product: Not applicable Propellant: None per ASTM E681	Freezing/Melting Pt.:	NE
Vapor Pressure:	>30psi	Flash Point:	None
pH:	NA	Vapor Density:	>1 Air = 1
Evap. Rate:	Ether = 1 Slower	Auto-ignition Temp:	NE

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	Heat, spark, and open flame.
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Decomposition:	Carbon oxides, Hydrogen Fluoride, Carbonyl Fluoride, Fluorocarbons.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Component Toxicological Information:	
Acute Oral	
No data	
Acute inhalation toxicity	
Trans-1,3,3,3-Tetrafluoroprop-1-ene	LC50 Rat Dose > 965 mg/l > 207000 ppm 4 h
Trans-1-Chloro-3,3,3-trifluoropropene	LC50 Rat Dose 120000 ppm 4 h
Acute Dermal	
Trans-1,3,3,3-Tetrafluoroprop-1-ene	Rabbit no irritation OECD test Guideline 404
Trans-1-Chloro-3,3,3-trifluoropropene	Rabbit no irritation OECD guideline 404 4 h

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12 ECOLOGICAL INFORMATION

Toxicity to fish

Trans-1,3,3,3-Tetrafluoroprop-1-ene NOEC >117 mg/l 96 h cypinus carpio (Carp)
Trans-1-Chloro-3,3,3-trifluoropropene LC50 38 mg/l 96h Oncorhynchus mykiss(rainbow trout)

Toxicity to daphnia and other aquatic invertebrates

Trans-1,3,3,3-Tetrafluoroprop-1-ene EC50: > 160 mg/L 48h Daphnia magna (water flea)
Trans-1-Chloro-3,3,3-trifluoropropene EC50: 82 mg/L 48h Daphnia magna (water flea)

Toxicity to algae

Trans-1,3,3,3-Tetrafluoroprop-1-ene NOEC > 170 72h Algae
Trans-1-Chloro-3,3,3-trifluoropropene EC50 106.7 mg/L 72h Pseudokirchneriella subcapitata (green algae)

Not readily biodegradable

13 DISPOSAL CONSIDERATIONS

Do not puncture or burn containers. Give empty, leaking, or full containers to disposal service equipped to handle and dispose of aerosol(pressurized) containers. Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal;the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

14 TRANSPORT INFORMATION

Aerosols (limited quantity),
Class 2.2, ERG 126
AIR (IATA)
Aerosols (limited quantity),
Class 2.2, ERG 126, UN No. 1950
Vessel
Aerosol (Limited Quantity), Class 2.2, UN No 1950

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[20-30%] Trans-1,3,3,3-Tetrafluoroprop-1-ene (29118-24-9)

[60-80%] Trans-1-Chloro-3,3,3-trifluoropropene (102687-65-0)

[0.5-10%] Siloxanes and Silicones, di-Me (63148-62-9) TSCA

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

NFPA: Health = 2, Fire = 1, Reactivity = 0, Specific Hazard = n/a

Note:

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We make no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an SDS does not indicate that the possessor of the SDS was a purchaser or user of the subject product.

Revision Date: 11/9/2022