

I. PRODUCT AND COMPANY IDENTIFICATION

Name On Label SAM RSF-100

Chemical Family: Silicone

General Use: Silicone Elastomer

DOT shipping class: Not regulated by DOT as a hazardous material.

Manufacturer: Tom McLaughlin Productions,
66 Willow Avenue, Suite 1, Hoboken, New Jersey 07030 646/510-8763

CHEMTREC EMERGENCY PHONE NUMBER

800 424-9300

II. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	WT%	OSHA PEL (mg/m3)	ACGIH (mg/m3)
Octamethyl cyclotetrasiloxane	556-67-2	0-2%	NE	NE
Polydimethylsiloxane, vinyl terminated	68083-19-2	98-100%	NE	NE

NE = Not Established STEL = Short Term Exposure Limit C = Ceiling Limits

All ingredients are on the TSCA inventory or comply with TSCA requirements

III. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

• Ingestion	Get medical assistance if large quantities are swallowed
• Skin Contact	Wash with soap and water
• Inhalation	Use in a well ventilated work area
• Eye Contact	May Cause Minor Eye Irritation
Medical Conditions Aggravated	None Known
Sub-Chronic (Target Organ) Effects	None Known
Chronic Effects/Carcinogenicity	This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA

IV. FIRST AID MEASURES

Ingestion	None Known
Skin Contact	No first aid should be needed. Wash with soap and water
Inhalation	No first aid should be needed. Remove to fresh air
Eye Contact	Immediately flush with COOL water for 15 minutes; Call a physician if irritation persists

V. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

• Flash Point >110 °C

• Auto-ignition	Not Determined
• Flammable Limits in Air Upper (%)	Not Tested
• Flammable Limits in Air Lower (%)	Not Tested
Extinguishing Media	Carbon dioxide, sand, foam or dry chemicals
Unsuitable Extinguishing Media	No restrictions on media based on knowledge of this material
Unusual Fire and Explosion Hazards	Do not mix with strong alkalis such as sodium hydroxide or potassium hydroxide with heat (> 1200 C). This can cause the generation of silicone cyclic compounds that are flammable. In addition, when heated to temperatures above 1500 C in the presence of air, formaldehyde vapors can form. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer; and a general irritant including the digestive system
Hazardous Decomposition Products	See above on exposure to air at elevated temperatures (>1500 C) that can evolve formaldehyde
Special Fire Fighting Instructions	Firefighters should wear full protective clothing, including self-contained breathing apparatus when fighting chemical fires

VI. ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled	Cover spill with an absorbent material such as sand or sawdust. Scoop up and place in an appropriately marked container for disposal
WARNING	Where material spills may be slippery

VII. HANDLING AND STORAGE

STORAGE	Product should be stored in its original container indoors under ambient conditions. Avoid outdoor storage to eliminate moisture on drum(s) or in product
HANDLING	Avoid contact with eyes, skin or clothing; Use only with adequate ventilation; Avoid contact with strong oxidizing agents.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection	If used under normal operating conditions and with adequate ventilation, respiratory protection is not required
Ventilation	Local exhaust: Normal air flow
SPECIAL/MECHANICAL/OTHER:	Not applicable
Protective Gloves	Rubber or plastic gloves should be worn; Wash hands after use
Eye Protection	Chemical safety goggles with side shields
Other Protective Clothing or Equipment	Rubber apron; Facility needs to be equipped with an eye-wash fountain and safety shower that is easily accessible
Work and/or Hygienic Practices	Always wash hands after handling chemicals and before eating or smoking. Do not smoke when working or handling chemicals

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear and colorless liquid
Odor	Mild
Vapor Pressure (20 °C) (mm Hg)	< 1
Vapor Density (AIR = 1)	> 1
Freezing Point	Not Determined
Boiling Point	Not Determined
Volatile Content by weight @ 150°C	~2%
Viscosity	~100 cSt
Solubility in Water	None
Specific Gravity@ 20°C	0.980

X. STABILITY AND REACTIVITY

Stability	Stable
Hazardous Polymerization	Will not occur
Hazardous Thermal Decomposition/Combustion Products	Carbon Dioxide, Silicon dioxide, Formaldehyde
Incompatibility (Materials to avoid)	Strong oxidizing agents. These are strong acids (sulfuric and hydrochloric acids) and strong alkali (potassium hydroxide)
Conditions to Avoid	None Known
Section 10 Notes	Read and reference of Section 5 above

XI. TOXICOLOGICAL INFORMATION

Acute Oral LD50 (mg/kg)	None Found
Acute Dermal LD50 (mg/kg)	None Found
Acute Inhalation LC50 (mg/L)	None Found
Section 11 Notes	This is not a hazardous, corrosive or toxicological material

XII. ECOLOGICAL INFORMATION

Ecotoxicity Data	No Data Available - at this time
Chemical Fate Data	No Data Available - at this time

XIII. DISPOSAL CONSIDERATIONS

Waste Disposal Method	May be incinerated under conditions complying with Federal, State, and Local environmental control regulations
Precautions to be Taken in Handling and Storage	No special precautions
Other Precautions	None

