



Safety Data Sheet (SDS)
Industrial Use Only

1. Product and Company Identification

Product:

Product Name: SS-690 High Temperature Silicone Coating
Intended Use: Coating

Manufacturer/Supplier:

Silicone Solutions
338 Remington Road
Cuyahoga Falls, OH
Preparer: Casey Linx
Chemical Family: Silicone Rubber
Emergency Telephone Number: 330-920-3125

2. Hazards Identification

Classification of the substance or mixture:

Not classified

GHS label Elements:

Signal word: No signal word
Hazard statements: No known significant effects or critical hazards

Precautionary Statements:

General: Not applicable
Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Disposal: Not applicable

Other Hazard Information:

- This product can generate formaldehyde upon exposure above 300 degrees centigrade in atmospheres that contains oxygen. Formaldehyde is a skin, eye, and throat irritant.
- Acetic acid is released upon curing.

3. Composition/Information on Ingredients

Chemical Characterization:

Formula: Mixture

Composition and Information on Ingredients: Non-hazardous components of the mixture unless otherwise specified.

Component	CAS #	Approximate % Weight
Methyltriacetoxysilane	4253-34-2	3.0-12.0

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures

General Information:

Ingestion: Rinse mouth with water several times.

Skin: Remove completely with a dry cloth or paper towel. Wash with soap and water.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

In case of eye contact: Flush with water for fifteen minutes and get medical attention if irritation persists.

Note to Physician: None known.

5. Firefighting Measures

Flammability Properties:

Flash Point: 56°C or 132.8°F

Ignition Temperature: 752°F

Flammable Limits in Air-Upper % : NA

Flammability Limits in Air-Lower % : NA

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: Yes

Extinguishing Media: All standard firefighting material.

Special Firefighting Procedures: None known.

6. Accidental Release Measures

Action to be taken if material is released or spilled: Scrape up and place in an inert material for disposal. *See Section 8 for protective equipment upon exposure and Section 7 for information on safe handling.*

7. Handling and Storage

Precautions to be taken during handling and storage: Cure only where appropriate ventilation systems exist, as seen in *Section 8*.

8. Exposure Controls/Personal Protection

Control Parameters:

Components with limit values that require monitoring at the workplace:

Component	CAS #	ACGIH TWA	TLV STEL	OSHA TWA	PEL STEL
Methyltriacetoxysilane	4253-34-3	10 ppm	NE	10 ppm	NE

Exposure Controls and Protection:

Engineering Controls: Facilities utilizing this material should be equipped with an eyewash facility and a safety shower. Adequate general or local explosion-proof ventilation is recommended.

Respiratory Protection: Respiratory protection unless local exhaust ventilation is provided.

Protective Gloves: Cloth gloves.

Eye and Face Protection: Safety glasses.

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure.

Ventilation: Cure in well-ventilated areas.

9. Physical and Chemical Properties

Information on basic physical and chemical properties:

Boiling Point: 176°C

Vapor Pressure: NA

Vapor Density: 10.23

Freezing Point: 17.5°C

Melting Point: NA

Physical State: Liquid.

Odor: Vinegar.

% Volatile by Volume: 50

Evaporation Rate: NA

Specific Gravity: 1.2

Density (kg/m³): 1200

Acid/Alkalinity: Slightly acidic.

pH: NA

VOC: < 3

Solubility in Water: Insoluble.

Solubility in Organic Solvents: Partially soluble in toluene.

10. Stability and Reactivity

Chemical Stability:

Stability: Unstable if heated.

Reactivity:

Hazardous Polymerization: Will not occur.

Hazardous Thermal Decomposition/Combustion Products:

- Carbon Dioxide
- Carbon Monoxide
- Silicon Dioxide
- Formaldehyde
- Acetic Acid

Conditions to Avoid: None known.

11. Toxicological Information

Product Information on Toxicological Effects:

Acute Oral LD50: Unknown.

Acute Dermal LD50: Unknown.

Acute Inhalation LC50: Unknown.

Ames Test: Unknown.

12. Ecological Information

Ecotoxicity:

Ecotoxicological Information: Unknown.

Chemical Fate Information: Unknown.

13. Disposal Considerations

Disposal Method: Disposal should be made in accordance with federal, state, and local considerations.

14. Transport Information

General:

DOT Shipping Name: NA
DOT Hazard Class: Not DOT regulated
DOT Label: NA
UN/NA Label: NA
Placards: None
IATA: NA
IMO IMDG-code: NA
European Class:
RID (OCTI): NA
ADR (ECE): NA
RAR (IATA): NA

15. Regulatory Information

Regulatory Status and Applicable Laws and Regulations:

SARA Section 302: None found.
SARA (311, 312) Hazard Class: None.
SARA (313) Chemicals: None.
CPSC Classification: NA
WHMIS Hazard Class: None.
Export Schedule:
B/HTSUS: 3910.00 Silicones in primary form.
ECCN: EAR99
California Proposition 65: None.
TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

Hazard Rating Systems:

HMIS (scale 0-4):

- Health = 1
- Flammability = 2
- Reactivity = 1

NFPA (scale 0-4):

- Health = 1
- Flammability = 2
- Reactivity = 1

16. Other Information

Revision Date: 06/20/2016
SDS Preparer: Casey Linx

This product or its components are on the European inventory (EINECS) of existing commercial chemicals. This data is offered in good faith as typical values and not as a product satisfaction. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

Abbreviations and Acronyms:

OSHA: Occupational Safety and Health Administration
ACGIH: American Conference of Governmental Industrial Hygienists
LD50: Lethal Dose, 50 percent
LC50: Lethal Concentration, 50 percent

DOT: US Department of Transportation

IATA: International Air Transport Association

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)