



# SAFETY DATA SHEET

Revision Date: 09/30/19

## SECTION I – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Solvent-Free Silicone Coating  
PRODUCT GRADE/TYPE : SRC 740, SRC 750  
SDS NUMBER : J253-Sil-G-017  
PRODUCT USE : Solvent-Free Silicone Coating  
MANUFACTURER : National Coatings Corporation  
1201 Calle Suerte  
Camarillo, CA 93012  
[www.nationalcoatings.com](http://www.nationalcoatings.com)  
PRODUCT INFORMATION : 1-800-423-9557  
CHEMTREC NORTH AMERICA : 1-800-424-9300  
CHEMTREC INTERNATIONAL : 703-527-3887


## SECTION II – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

Skin Irritation Category 2  
Eye Irritation Category 2A  
Skin Sensitization Category 1  
Carcinogenicity Category 2  
Reproductive Toxicity Category 2  
Specific Target Organ Toxicity Category 3 (Respiratory Irritation)  
Chronic Aquatic Toxicity Category 3

### GHS LABEL:

Hazard Category	Signal Word	Pictogram	Hazard Statement	GHS Pictogram Number
Skin Irritation Category 2	Warning		H315: Causes skin irritation	GHS07
Eye Irritation Category 2A	Warning		H319: Causes serious eye irritation	GHS07
Skin Sensitization Category 1	Warning		H317: May cause an allergic skin reaction	GHS07
Carcinogenicity Category 2	Warning		H351: Suspected of causing cancer	GHS07
Reproductive Toxicity Category 2	Warning		H361: Suspected of damaging fertility or the unborn child	GHS08

Specific Target Organ Toxicity Category 3 (Respiratory Irritation)	Warning		H335: May cause respiratory irritation	GHS07
Chronic Aquatic Toxicity Category 3	None	None	H412: Harmful to aquatic life with long lasting effects	N/A

**GHS PRECAUTION PHRASES:**

Hazard Category	Prevention	Response	Storage	Disposal
Skin Irritation Category 2	P264, P280	P302+P352, P321, P332+P313, P362+P364	None	None
Eye Irritation Category 2A	P264, P280	P305+P351+P338, P337 + P313	None	None
Skin Sensitization Category 1	P261, P272, P280	P321, P362+P364, P302+P352, P333+P313,	None	P501
Carcinogenicity Category 2	P201, P202, P280	P308+P313	P405	P501
Reproductive Toxicity Category 2	P201, P202, P280	P308+P313	P405	P501
Specific Target Organ Toxicity Category 3 (Respiratory Irritation)	P233, P261, P271	P304+P340, P312	P405	P501

***P Statements***

*P201: Obtain special instructions before use.*

*P202: Do not handle until all safety precautions have been read and understood.*

*P233: Keep container tightly closed.*

*P261: Avoid breathing dust/fume/gas/mist/vapors/spray.*

*P264: Wash hands thoroughly after handling.*

*P271: Use only outdoors or in a well-ventilated area.*

*P272: Contaminated work clothing should not be allowed out of the workplace.*

*P280: Wear protective gloves/protective clothing/eye protection/face protection.*

*P312: Call a POISON CENTER/doctor if you feel unwell.*

*P321: Specific treatment (See Section 4 of this SDS).*

*P302+P352: IF ON SKIN: Wash with plenty of water.*

*P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.*

*P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*P308+P313: If exposed or concerned: Get medical advice/attention.*

*P332+P313: If skin irritation occurs: Get medical advice/attention.*

P333+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Weight %
Liquid Silicone Polymer	Trade Secret*	45-60
Nepheline Syenite	37244-96-5	15-30
Titanium Dioxide	13463-67-7	5-15
Octamethylcyclotetrasiloxane	556-67-2	5-15
2-Butanone,O,O',O''-(Methylsilylydyne) Trioxime	22984-54-9	2-7
Silica, Amorphous, fumed. Crystal-free	112945-52-5	1-3
2-Butanone,O,O',O''-silanetetrayltetraoxime	34206-40-1	<1

\*Ingredients are company trade secret; the company is withholding the specific chemical information under provision of the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). The specific chemical information will be made available to health professionals in accordance with 29 CFR 1910.1200 (i)(1) (2) (3) (4)..

## SECTION IV – FIRST-AID MEASURES

**Eye Contact:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation develops.

**Skin Contact:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

**Inhalation:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

**Ingestion:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

**Medical Conditions Aggravated by Exposure:** Pre-existing skin, or eye problems may be aggravated by exposure to this product.

**Recommendation to Physicians:** Treat symptoms and reduce over-exposure.

## SECTION V – FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media :** Use dry chemical, foam or carbon dioxide to extinguish fire. Do not use a direct stream of water.

**Unusual Fire and Explosion Hazards:** This material has been tested to ASTM D-4206 standard and found not to sustain combustion.

**Special protective action for fire-fighters:** Water should be used to cool fire-exposed containers, structures and to protect personnel. Use water to dilute spills and flush them away from sources of ignition. Do not flush down sewers or other drainage systems. Exposed fire-fighters must wear NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Ventilate enclosed areas.  
Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions. Do not touch or walk through spilled material.
- Emergency Procedures:** Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate areas).  
As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, isolate for 800 meters (1/2 mile) in all directions, also consider initial evacuation for 800 meters (1/2 mile) in all directions. **LARGE SPILL:** Consider initial downwind evacuation for at least 300 meters (1000 feet). Keep out of low areas. Stay upwind. Keep unauthorized personnel away.  
Ventilate closed spaces before entering.
- Personal Precautions:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
- Methods of Cleaning up:** Stop leak if you can do it without risk.  
Contain spills immediately with inert materials (e.g. sand). Use non-sparking tools to collect absorbed material.  
Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.  
All equipment uses when handling the product must be grounded.

## SECTION VII – HANDLING AND STORAGE

### **Precautions for safe handling:**

Keep away from fire. Keep away from heat and sparks. Do not eat, drink or smoke when using this product. After handling wash hands thoroughly. Prevent formation of aerosols. All equipment used in handling the product must be grounded. Bound and ground all transfer containers and equipment. Take precautionary measures against static charges. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, grind, drill, weld or perform similar operations near container.

**Conditions for safe storage :** **Storage :** Keep containers properly sealed in a cool, dry, well-ventilated area between 65-85 F (18.3-29.4 F). Do not store in open, unlabeled or mislabeled containers. Do not reuse empty container without commercial cleaning or reconditioning.

**Storage Period:** 12 months

**Keep container closed when not in use. Protect from freezing.**

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

## EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS #	ACGIH TWA	OSHA TWA	WEEL
Liquid Silicone Polymer	Non-Hazardous	Not Listed	Not Listed	Not Listed
Nepheline Syenite	37244-96-5	Not Listed	Not Listed	Not Listed
Titanium Dioxide	13463-67-7	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Octamethylcyclotetrasiloxane	556-67-2	Not Listed	Not Listed	Not Listed
2-Butanone,O,O',O''-(Methylsilyldiyne) Trioxime	22984-54-9	Not Listed	Not Listed	Not Listed
Silica, Amorphous, fumed. Crystal-free	112945-52-5	Not Listed	Not Listed	Not Listed
2-Butanone,O,O',O''-silanetetrayltetraoxime	34206-40-1	Not Listed	Not Listed	Not Listed

<b>Engineering Controls</b>	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment.
<b>Protective Measures</b>	Employees should wash their hands and face before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available.
<b>Eye/face Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	Impervious (Neoprene gloves). Wear clothing and footwear that cannot be penetrated by chemicals.
<b>Respiratory Protection</b>	Use only with ventilation to keep levels below exposure guidelines reported in this document. If not sure, and/or not able to monitor, use State or federally approved supplied air-respirator. Wear respirator (MSHA/NIOSH approved or equivalent) where exposure limits are exceeded.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid in various colors including white, tan, light gray and dark gray
Odour:	Slight odor
Odour threshold:	Not available
pH:	Not determined
Melting point/freezing point:	Not determined
Boiling Point/boiling range:	Not available
Flash Point:	128°F
Evaporation Rate:	Not determined
Flammability:	Not available
Upper/Lower Flammability or explosive limits:	Not available
Vapor Pressure:	Not available
Vapor density:	Not available
Specific Gravity:	Not available
Solubility in water:	Not available

Partition Coefficient: n-octanol/water: Not available  
 Auto-ignition temperature: Not available  
 Decomposition temperature: Not available  
 Viscosity: Not determined  
 VOC Content g/l: Not available

Note: The above data are typical values and must not be construed as a specification.

**SECTION X – STABILITY AND REACTIVITY**

**Reactivity:** No dangerous reaction known under conditions of normal use.  
**Chemical Stability:** Stable under normal temperatures and pressure.  
**Possibility of hazardous reactions:** None known.  
  
**Conditions/Materials to avoid:** Heat and sources of ignition.  
**Incompatible Materials:** Strong oxidizing agents.  
**Hazardous decomposition:** By Thermal decomposition: carbon monoxide, carbon dioxide, Oxides of nitrogen (NOx), other potentially toxic fumes, dense black smoke.

**SECTION XI – TOXICOLOGICAL INFORMATION**

Chemical Name	CAS #	Acute Oral	Acute Dermal	Acute Inhalation
Titanium Dioxide	13463-67-7	LD50: >10000 mg/kg (Rat)	Not Established	Not Established
Silica, Amorphous, fumed. Crystal-free	112945-52-5	LD50: 3160 mg/kg (Rat)	Not Established	Not Established
Octamethylcyclotetrasiloxane	556-67-2	LD50: 1540 mg/kg (Rat)	LD50: >2400 mg/kg (Rat)	LD50: >12.7 mg/kg/4Hr (Rat)

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion/irritation	Skin Irritation Category 2
Serious eye damage/irritation	Eye Irritation Category 2A
Respiratory or skin sensitization	Skin Sensitization Category 1
Germ cell mutagenicity	Based on available data, the classification is not met
Carcinogenicity	Carcinogenicity Category 2
Reproductive toxicity	Reproductive Category 2
STOT – single exposure	Specific Target Organ Toxicity – Single Exposure (Respiratory Irritation)
STOT – repeated exposure	Based on available data, the classification is not met
Aspiration Hazard	Based on available data, the classification is not met

**Suspected Cancer Agent:** One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are considered to be a cancer-causing agent by these agencies.

Titanium Dioxide (13463-67-7)  
 ACGIH: A4 – Not classifiable as a Human Carcinogen  
 NIOSH: Potential occupational carcinogen

IARC: Monograph 93 posted, Monograph 47 [1989] (Group 2B(possibly carcinogenic to humans))

**Irritancy of Product:** Contact with this product can be irritating to exposed skin, eyes, and respiratory system.

**Sensitization of Product:** This product is considered a skin sensitizer.

**Reproductive Toxicity Information:** Octamethylcyclotetrasiloxane CAS# 556-67-2 is listed by the European Chemical Commission as a reproductive hazard causing harmful effects to fertility or the unborn child.

**Specific Target Organ Toxicity – Single Exposure:** Causes respiratory irritation.

**Specific Target Organ Toxicity – Repeated Exposure:** None known.

**Aspiration Hazard:** None

## SECTION XII – ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**Toxicity:** No specific data is currently available on this product's effects on aquatic life, however release of this product may have long term effects on the aquatic environment.

Specific Component Data:

Octamethylcyclotetrasiloxane (556-67-2)

Test & Species Conditions

96 Hr LC50 Brachydanio rerio >500 mg/L

96 Hr LC50 Lepomis macrochirus >1000 mg/L

24 Hr EC50 Daphnia magna 25.2 mg/L

**Persistence and Degradability:** No specific data available on this product.

**Bioaccumulative Potential:** No specific data available on this product.

**Mobility in soil:** No specific data available on this product.

**Other Adverse Effects:** No specific data available on this product.

**Water Endangerment Class:** Not believed to be water endangering in accordance with EU Guideline 91/155-EWG. At present there are no ecotoxicological assessments for this product.

## SECTION XIII – DISPOSAL INFORMATION

**Environmental Precautions:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Waste Disposal Method:** Waste disposal should be in accordance with existing federal, state and local environmental laws.

**Empty Container Precautions:** Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning.

## SECTION XIV – TRANSPORT INFORMATION

**US DOT; IATA; IMO; ADR:**

**This product is classified as Dangerous Good as defined by 49 CFR 172.101 by the U.S. Department of Transportation.**

This product has been tested to the ASTM D-4206 Standard and determined that it does not sustain combustion. As a result, it is exempt from regulations when shipped ground or rail within the U.S.A

<b>Proper shipping Name</b>	:	Non-Regulated when shipped ground or rail with U.S.A.
<b>UN Number</b>	:	None
<b>Transport Hazard Class</b>	:	None
<b>Packing Group</b>	:	None
<b>Marine Pollutant</b>	:	This product's ingredients that are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)
<b>Land Transport (DOT)</b>	:	Non-Regulated when shipped ground or rail with U.S.A
<b>Sea Transport (IMO)</b>	:	This product is classified as Dangerous Goods by the International Maritime Organization.
<b>Air Transport (ICAO/IATA)</b>	:	Flammable Liquid, n.o.s; Class 3 Flammable, UN1993; PGIII: DOT Label-Flammable class 3
<b>International Transport (ADR)</b>	:	This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.
<b>Special Precautions</b>	:	No data available

## SECTION XV – REGULATORY INFORMATION

### U.S. Federal Regulations:

**SARA Reporting Requirements:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 Title III of the Superfund Amendments and Reauthorization Act., as follows:

**SARA 313:** None

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory chemicals

**SARA 311/312:**

Acute Health: Yes      Chronic Health: Yes      Fire: No      Reactivity: No

**U.S. SARA Threshold Planning Quantity:** There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,500 kg) may apply, per 40 CFR 370.20

**U.S. CERCLA Reportable Quantity:** None

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):** This product contains Titanium Dioxide which is known to the State of California as a cancer hazard if in respirable form.

### International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed or exempt from listing
Australian Inventory of Chemical Substances:	Listed or exempt from listing
Korean Existing Chemical List (ECL):	Listed or exempt from listing
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed or exempt from listing
Philippines Inventory of Chemicals and Chemical Substances (PICCA):	Listed or exempt from listing



**SECTION XVI – OTHER INFORMATION**

**HMIS III Rating:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

**HMIS Legends:**

0	Not significant	3	High
1	Slight	4	Extreme
2	Moderate	*	Chronic

Legend:

Acronym	Meaning
ACGIH	American Conference of Governmental Hygienists
OSHA	Occupational Safety Health Administration
SARA	Superfund Amendment Reauthorization Act
TRI	Toxic Release Inventory
GHS	Globally Harmonized System (of Classification and Labeling of Chemicals)
DOT	Department of Transportation
IMDG	International Maritime Dangerous Goods
ICAO	International Civil Aviation Organization
IATA	International Air Transport Association

*The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. The information relates only to the specific material designated and may not be valid for such material used in combination with or any other material in any process, unless specified in the test.*

Version #: GHS-017  
Revision Date: 09/30/19  
Supersedes Last Revision: 07/27/16

This SDS adheres to the standards and regulatory requirements of the United States and has been written under the guidance of the Globally harmonized System of Classification and Labeling of Chemicals.

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