

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : **Flashing Grade Silicone Caulk**
PRODUCT GRADE/TYPE : **FLASHING GRADE SILICONE CAULK**
SDS NUMBER : J253-Sil -G-023
PRODUCT USE : Silicone Sealant
MANUFACTURER : National Coatings Corporation
1201 Calle Suerte
Camarillo, CA 93012
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 HAZARD SYMBOLS



Signal Word: **WARNING!**

GHS CLASSIFICATION(S):

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

HAZARD STATEMENT(S):

H315: Causes skin irritation
H319: Causes serious eye irritation
H317: May cause an allergic skin reaction
H351: Suspected of causing cancer
H361: Suspected of damaging fertility or the unborn child
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects

PREVENTION STATEMENT(S):

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE STATEMENT(S):

P308+P313: IF exposed or concerned: Get medical advice/attention.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P321: Specific treatment (See Section 4 of this SDS).
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312: Call a POISON CENTER/doctor if you feel unwell.

STORAGE STATEMENT(S):

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P405: Store locked up.

DISPOSAL STATEMENT(S):

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

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

This product does not meet the criteria for PBT or vPvB in accordance with Annex XIII
ACUTE: This material may cause irritation to skin, eye, and respiratory system. May cause skin sensitization. Ingestion of this product may cause gastrointestinal irritation. This product contains an ingredient(s) that are suspected of causing reproductive harm.
CHRONIC: Prolonged or repeated skin contact may cause skin reactions.
TARGET ORGANS: ACUTE: Eye, Skin, Respiratory System CHRONIC: Respiratory System

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Weight %	Hazard Classification
Liquid Silicone Polymer	70131-67-8	40 – 50	Not Classified
Limestone	1317-65-3	25 – 35	Not Classified
Polydimethylsiloxane	63148-62-9	5 – 15	Not Classified
2-Butanone,O,O',O''-(Methylsilylidyne)Trioxime	22984-54-9	1 – 10	Skin Irritation, CAT 2 Eye Irritation, CAT 2A Skin Sensitization, CAT 1
Titanium Dioxide	13463-67-7	1 – 10	Carcinogenicity, CAT 2
Octamethylcyclotetrasiloxane	556-67-2	1 – 10	Reproduction, CAT 2 Aquatic Chronic, CAT 2
Silicon Dioxide	112945-52-5	1 – 10	Skin Irritation, CAT 2 Eye Irritation, CAT 2A STOT SE, CAT 3 (RESP IRRIT)
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).			

SECTION IV – FIRST AID MEASURES

Eye Contact: Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin Contact: Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention.

Inhalation: Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Get medical attention immediately.

Ingestion: If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

SECTION V – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use carbon dioxide, foam, dry chemical, halon, water spray, sand, limestone powder.

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

Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

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: Use personal protective equipment.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.

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

Methods of Cleaning Up: Contain spills immediately with inert materials (e.g. sand).
Transfer liquids and solid like material to separate suitable containers for recovery or disposal.

SECTION VII – HANDLING AND STORAGE

Precautions for safe handling:

Avoid breathing dust, vapor or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Use personal protective equipment in handling and observe personal hygiene after use of the product.

Conditions for Safe Storage: Keep containers tightly closed in a dry and cool place.
Keep container closed when not in use. Protect from freezing.

Storage Period: 12 months

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	CAS #	ACGIH TWA	OSHA TWA	WEEL
Liquid Silicone Polymer	70131-67-8	Not Listed	Not Listed	Not Listed
Limestone	1317-65-3	10 mg/m ³	15 mg/m ³	10 mg/m ³
Polydimethylsiloxane	63148-62-9	Not Listed	Not Listed	Not Listed
2-Butanone, O,O',O''-(Methylsilyldiyl)Trioxime	22984-54-9	Not Listed	Not Listed	Not Listed
Titanium Dioxide	13463-67-7	10 mg/m ³	10 mg/m ³	10 mg/m ³
Octamethylcyclotetrasiloxane	556-67-2	Not Listed	Not Listed	Not Listed
Silicon Dioxide	112945-52-5	6 mg/m ³	10 mg/m ³	3 mg/m ³ - Respirable Dust

Engineering Controls : Mechanical local exhaust ventilation at point of containment release.

Protective Measures : 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.

Eye/Face Protection : Safety glasses with side-shields.

Skin Protection : Impervious (Neoprene gloves)

Respiratory Protection : 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 suitable respirator (MSHA/NIOSH approved or equivalent) where exposure limits are exceeded.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Viscous
Odor:	Mild odor
Odor Threshold:	Not available
pH:	Not available
Melting Point/Freezing Point:	Not available
Boiling Point/Boiling Range:	Not available
Flash Point:	>200°F (>93.33°C)
Evaporation Rate:	<1 (nBuAc = 1)
Flammability:	Not available
Upper/Lower Flammability or Explosive Limits:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	Not available
Solubility in Water:	Negligible
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: Moisture cure product
Chemical Stability: Stable
Possibility of Hazardous Reactions: None known
Incompatible Materials: None known
Hazardous Decomposition: By thermal decomposition: carbon monoxide, carbon dioxide, oxides of nitrogen (NOx), other potentially toxic fumes, dense black smoke.

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicity Data:

Component	Acute Oral	Acute Dermal	Acute Inhalation
Titanium Dioxide	LD50 Rat >10000 mg/kg		
Silicon Dioxide	LD50 Rat 3160 mg/kg		
Octamethylcyclotetrasiloxane	LD50 Rat 1540 mg/kg	LD50 Rat >2400 mg/kg	LD50 Rat >12.7 mg/kg/4 hr

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 criteria are 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 criteria are not met
Aspiration Hazard	Based on available data, the classification criteria are not met

Carcinogenicity:

Titanium dioxide (Ti-Pure, DuPont): Rat, Male/Female, inhalation-According to IARC, several rat inhalations and intratracheal installation studies using titanium dioxide have shown increases in benign and malignant lung tumors. Based upon all study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experience in the workplace. Reviewed human exposure data did not suggest an association between occupational exposure to titanium dioxide and cancer. Additionally, the IARC working group determined that, “No significant exposure to titanium dioxide is thought to occur during the use of products in which

Sensitization of Product: titanium dioxide is bound to other material, such as in paints.” (From occupational sources) (Group 1-Carcinogenic to humans)
This product is considered as a skin sensitizer

Reproductive Toxicity: Octamethylcyclotetrasiloxane is listed by the European Chemical Commission as a reproductive hazard causing harmful effects to fertility or the unborn child.

*Reviewed human exposure data did not suggest an association between occupational exposure to titanium dioxide and cancer. Additionally, the IARC working group determined that, “No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other material, such as in paints.”

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity:

Titanium Dioxide Aquatic Toxicity: 96 hr LC50: Fathead minnow > 1,000 mg/l; LC50: > 1000 mg/l (Golden Orfe (Leuciscus idus), 48 hours)
Acute Toxicity to Aquatic invertebrates: EC50 > 3 mg/l (Water Flea (Daphnia Magna)
Toxicity to Microorganisms: EC50 > 10,000 mg/l, (Pseudomas fluorescens, 24 h)

No specific data is available for this product on environmental stability, effect on plants or animals nor on aquatic life. However, release of this product may have long term effect on the aquatic environment.

Persistence and Degradability, Bioaccumulative Potential, Mobility in Soil: Not available for other components and mixtures in the products listed.

SECTION XIII – DISPOSAL INFORMATION

Environmental Precautions:

Preparing Wastes for Disposal: Waste disposal must be in accordance with appropriate Federal, State and local regulations, those of Canada, Australia, EU members States and Japan.

RCRA Waste Code: None Listed.

EU Waste Code Not Listed.

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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 NOT classified as Dangerous Good as defined by 49 CFR 172.101 by the U.S. Department of Transportation.

Proper Shipping Name : Non-regulated when shipped ground or rail within the U. S.A.

UN Number : Not applicable

Transport Hazard Class : None

Packing Group : None

Land Transport (DOT) : Non-Regulated (No labels required)

North American Emergency Response Guidebook Number: (2016) – Non-Marine Pollutant: not classified as Marine Pollutant (as defined by 49 CFR 172.0101, Appendix B)

Sea Transport (IMDG) : This product is not classified as Dangerous Goods by the International Maritime Organization.

Air Transport (ICAO/IATA) : Not classified as Dangerous Goods, by rules of IATA

Transport Canada, Transportation of Dangerous Goods Regulations : Not classified as Dangerous Goods, per regulations of Transport Canada.

International Maritime Organization (IMO) designation: Not classified as Dangerous Goods by Maritime Organization.
European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR); Not classified as Dangerous Goods by the United Nations Economic Commission for Europe.

Harmonized Tariff Code : Unknown
Special Precautions : No data available

SECTION XV – REGULATORY INFORMATION

UNITED STATES REGULATIONS:

SARA Reporting Requirements: This product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act as follows:

Unites States TSCA Inventory (US.TSCA): All components of this product are in compliance with the inventory listing requirement of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA 311/312:

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

CERCLA Information (40CFR302.4): None

U.S. SARA Threshold Planning Quantity: There are no specific Threshold Planning Quantities for this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lb (4540 kg) may apply per 40CFR 370.20:

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.

Canadian Regulations:

Canadian DSL/NDSL Inventory Status: All of the components of this product are on the DSL inventory.

Canadian Environmental Protection Act (CEPA) Priorities Substances List: NONE

Canadian WHMIS Classification and Symbols: This product complies with WHMIS 2015

European Economic Community Information:

EU Labeling and Classification: Classification of the mixture according to Regulation (EC) No1272/2008. See Section 2 for details.

Other information: All of the components of this product are listed or exempt from listing of the Chemical Inventories of the following countries: Australia (AICS), Japan (MITI and ENCS), Korea (ECL), Philippines (PICCS) and Swiss Giftliste List of Toxic Substances.

SECTION XVI – OTHER INFORMATION

HMIS III Rating:

HMIS Legends:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

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
TSCA	U.S.A's Toxic Substances Control Act
DSL	Canada's Domestic Substances List
AICS	Australian Inventory of Chemical Substances
ENCS	Japan Inventory of Existing and Notified Substances
ISHL	Japan ISHL Existing Substances List
KECL	Korea's Existing Chemicals List
PICCS	Philippine Inventory of Chemicals and Chemical Substances
IECSC	Inventory of Existing Chemical Substances in China

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.

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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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