

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **FG-400 Flashing Grade Silicone**
CHEMICAL FAMILY NAME: Silicone Sealant
U.N. NUMBER: None
U.N. DANGEROUS GOODS CLASS: Non-Regulated Material
SUPPLIER/MANUFACTURER'S NAME: **Progressive Materials, LLC**
ADDRESS: 540 Central Court, New Albany, IN 47150 USA
EMERGENCY PHONE: **TOLL-FREE in USA/Canada - Chemtrec** 1-800-424-9300
National Poison Control Center (U.S.) 1-800-222-1222
BUSINESS PHONE: 812-944-7803 (Product Information)
WEB SITE: www.pmsilicone.com
DATE OF CURRENT REVISION: May 29, 2015
DATE OF LAST REVISION: New

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a white liquid with a mild odor.

Health Hazards: Exposure to the product may cause skin, respiratory tract and eye irritation. May cause allergic skin reaction.

Flammability Hazards: This product is flammable with a flash point >200°F (>93.3°C).

Reactivity Hazards: None known.

Environmental Hazards: The environmental effects of this product have not been investigated; however it is not expected to cause significant adverse effects in the environment.

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

Non-Regulated Material

CANADA (WHMIS) SYMBOLS

Complies with WHMIS 2015

EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Warning!**

GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

CAS# 70131-67-8 is not listed in ESIS

EC# 215-279-6 This substance is not classified in the Annex VI of Directive 67/548/EEC

CAS# 63148-62-9 is not listed in ESIS

EC# 245-366-4 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 236-675-5 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 209-136-7 Annex VI Index# 014-018-00-1

CAS# 112945-52-5 is not listed in ESIS

Substances not listed either individually or in group entries must be self classified

Component(s) Contributing to Classification(s)

All Ingredients

GHS Hazard Classification(s):

Skin Sensitizer, Category 1

Eye Irritant Category 2A

STOT RE, Category 3 (Respiratory System)

Reproductive Toxicity Category 2

Chronic Aquatic Toxicity Category 4

SAFETY DATA SHEET

FG-400 Flashing Grade Silicone

Hazard Statement(s):

- H319: Causes serious eye irritation
- H317: May cause an allergic skin reaction
- H373: Causes damage to organs through prolonged or repeated exposure
- H361F: Suspected of damaging fertility or the unborn child
- H413: May cause long lasting harmful effects to aquatic life

Precautionary Statement(s):

- P264: Wash hands thoroughly after handling
- P270: Do not eat, drink or smoke when using this product
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P271: Use only outdoors or in a well-ventilated area.
- P201: Obtain special instructions before use.

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: Exposure to the product may cause skin, respiratory tract and eye irritation. May cause allergic skin reaction. If inhaled may cause allergy or asthma symptoms or breathing difficulties.
CHRONIC: This product contains ingredients that may cause harm to the unborn child or fertility.

TARGET ORGANS: ACUTE: Eye, Skin, Respiratory System CHRONIC: None known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Liquid Silicone Polymer	70131-67-8	Not Listed in ESIS	Not listed	40-50%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Limestone	1317-65-3	215-279-6	Not listed	25 – 35%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Polydimethylsiloxane	63148-62-9	Not Listed in ESIS	Not listed	5 – 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
2-Butanone, O, O', O"- (Methisilylidyne) Trioxime	22984-54-9	245-366-4	Not listed	1 – 10%	HAZARD CLASSIFICATION: [Xn] Harmful, [Xi] Irritant RISK PHRASES: R21, R40, R41, R43
Titanium Dioxide	13463-67-7	236-675-5	0338	1 – 10%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Octamethylcyclotetrasiloxane	556-67-2	209-136-7	Not listed	1 – 10%	HAZARD CLASSIFICATION: Repr Cat2, [N] Dangerous to the Environment RISK PHRASES: R46, R51
Silicon dioxide	112945-52-5	Not listed	Not listed	1 - 10%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36/37/38
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

SECTION 4 - 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.

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.

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 SDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, respiratory or eye problems may be aggravated by exposure to this product.

SAFETY DATA SHEET

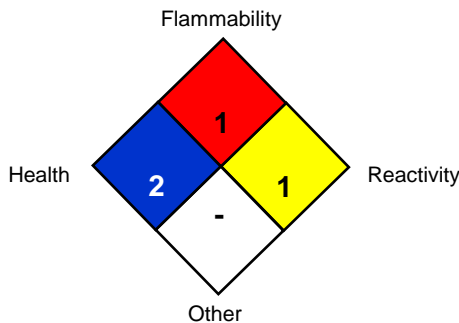
FG-400 Flashing Grade Silicone

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.



SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: >200°F (>92.2°C)
AUTOIGNITION TEMPERATURE: Not Established
FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): Not Established Upper (UEL): Not Established
FIRE EXTINGUISHING MATERIALS: Carbon dioxide, foam, dry chemical, halon, water spray.
UNUSUAL FIRE AND EXPLOSION HAZARDS: This material is flammable above flash point shown above.
Explosion Sensitivity to Mechanical Impact: Not Sensitive.
Explosion Sensitivity to Static Discharge: Not Sensitive.
SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			2
FLAMMABILITY HAZARD (RED)			1
PHYSICAL HAZARD (YELLOW)			1
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.
SPILLS: Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up with a non-combustible absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.
STORAGE AND HANDLING PRACTICES: Keep container tightly closed and in a dry and cool place.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

SAFETY DATA SHEET

FG-400 Flashing Grade Silicone

Chemical Name	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"- (Methisilyldiyne) Trioxime	22984-54-9	Not Listed	Not Listed	Not Listed
Titanium Dioxide	13463-67-7	10 mg/m ³	15 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

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above, if applicable.

If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE & ODOR:	White liquid with a mild odor
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	Not Available
DENSITY:	Not Available
EVAPORATION RATE (nBuAc = 1):	<1
BOILING POINT (C°):	Not Available
FREEZING POINT (C°):	Not Available
pH:	Not Available
VISCOSITY, Dynamic	Not Available
SOLUBILITY IN WATER (%)	Negligible

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: When heated to decomposition this product produces carbon monoxide, carbon dioxide

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: acids, oxidizing agents, isocyanates

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid moisture. Avoid direct sunlight. Avoid excessive temperatures.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is not available for this product:

Silicon dioxide:

Oral LD50 rat (male/female): 3,160 mg/kg

Inhalation TCl₀ rat (male/female): 50 mg/m³ (Carcinogenic effects)

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, or suspected to be a cancer-causing agent by these agencies.

IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, respiratory system, and eyes.

SENSITIZATION OF PRODUCT: This product is considered a skin and respiratory sensitizer.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: Respiratory System

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: None known

ASPIRATION HAZARD: None

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: No specific data is available for this product, however this product is not expected to be readily biodegradable

EFFECT OF MATERIAL ON PLANTS or ANIMALS: No specific data is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No specific data is currently available on this product's effects on aquatic life, however release of this product is expected to cause long term adverse effects on the aquatic environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

RCRA WASTE CODE: None listed

EU WASTE CODE: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Non-Regulated Material

HAZARD CLASS NUMBER and DESCRIPTION: None

UN IDENTIFICATION NUMBER: None

PACKING GROUP: None

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): None

MARINE POLLUTANT: This products ingredients that are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

Harmonized Tariff Code Unknown

SECTION 15 - 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:

SARA 313 REPORTING:

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

SARA 311/312:

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

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 (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None known

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients are on the California Proposition 65 lists above the threshold levels.

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: 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.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed or exempt from listing on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

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

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftlist List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

GHS MSDS Compliance PLUS www.ghsmstdscomplianceplus.com

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