

1. PRODUCT AND COMPANY IDENTIFICATION**1.2. Product identifiers**

Product name: GAF High Solids Silicone Roof Coating

1.3. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Silicone roof coating.

1.4. Details of the supplier of the safety data sheet

Supplier : GAF
1 Campus Drive,
Parsippany, NJ 07054
USA

Telephone : 877-GAF-ROOF

1.5. Emergency telephone number

24 Hour Emergency Phone #: 800-424-9300 (ChemTrec)

2. HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin Sensitizer, Category 1

Eye Irritant Category 2A

STOT RE, Category 1

Carcinogenicity Category 1A

Acute Toxicity Category 4

Pictograms:

Signal word: Danger

Hazard statement(s)

Causes serious eye irritation.

May cause an allergic skin reaction.

Causes damage to organs through prolonged or repeated exposure.

Harmful if swallowed or inhaled.

May cause cancer.

Precautionary statement(s)

Wash hands thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Use only outdoors or in a well-ventilated area.

Obtain special instructions before use

CARCINOGENICITY:

IARC has determined that occupational exposure to Titanium Dioxide is possibly carcinogenic to humans (Group 2B). IARC concluded lung tumors were observed in rats following high dose exposure by inhalation and in female rats exposed by intra-tracheal instillation. Other studies have shown no tumors in rats following inhalation

exposure and no tumors in mice or rats following oral exposure.

Occupational exposure to respirable crystalline silica is classified as a known carcinogen in humans. IARC has determined that respirable crystalline silica is carcinogenic to humans (Group 1), based on findings of sufficient evidence of carcinogenicity in both humans and experimental animals. NTP has classified respirable crystalline silica as a known human carcinogen based on sufficient evidence of carcinogenicity from studies in humans indicating a causal relationship between exposure to respirable crystalline silica and increased lung cancer rates in workers exposed to crystalline silica dust. NIOSH has determined that respirable crystalline silica is a potential occupational carcinogen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

| CHEMICAL NAME | CAS # | WT % |
|-------------------------------|------------|-------|
| Crystalline Silica | 14808-60-7 | 20-30 |
| Titanium Dioxide | 13463-67-7 | 1-10 |
| Methyltrisbutanoneoximesilane | 22984-54-9 | 1-10 |
| Aminopropyltrimethoxysilane | 13822-56-5 | 1-5 |
| Polydimethylsiloxanes | 63148-62-9 | 1-5 |

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

4. FIRST AID MEASURES

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

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

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides.

5.3 Advice for firefighters

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.

5.4 Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

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).

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Components with workplace control parameters**

| Chemical Name | CAS# | ACGIH TWA | OSHA TWA | WEEL |
|-------------------------------|------------|-----------------------|-----------------------|----------------------|
| Silica | 1317-65-3 | 25 mcg/m ³ | 50 mcg/m ³ | Not Listed |
| Methyltrisbutanoneoximesilane | 22984-54-9 | Not Listed | Not Listed | 10 ppm |
| Titanium Dioxide | 13463-67-7 | 10 mg/m ³ | 15 mg/m ³ | 10 mg/m ³ |

8.2 Exposure controls**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Eye/face protection**

Safety glasses or chemical goggles as appropriate to prevent eye contact.

Skin protection

Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Use body protection appropriate to prevent contact (e.g. lab coat, overalls).

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.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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): | Not Available |
| BOILING POINT (F°): | Not Available |
| FREEZING POINT (F°): | Not Available |
| pH: | Not Available |
| VISCOSITY, Dynamic | Not Available |
| SOLUBILITY IN WATER: | Negligible |
| FLASH POINT: | 130-180°F |
| AUTOIGNITION TEMPERATURE: | Not Established |
| LEL | Not Established |
| UEL | Not Established |
| VOC | 40 g/L |

10. STABILITY AND REACTIVITY

- 10.1 **Reactivity**
No data available
- 10.2 **Chemical stability**
Stable under recommended storage conditions.
- 10.3 **Possibility of hazardous reactions**
None known.
- 10.4 **Conditions to avoid**
Avoid moisture. Avoid direct sunlight. Avoid excessive temperatures.
- 10.5 **Incompatible materials**
Strong oxidizing agents, acids, isocyanates.
- 10.6 **Hazardous decomposition products**
Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects Acute toxicity**

Toxicity data is not available for this product.

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 - Titanium Dioxide, Silica.

Irritancy of product

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

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

No specific data is currently available on this product's effects on plants or animals, however release of this product may cause long term adverse effects on the aquatic environment.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Waste disposal methods**

Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

14. TRANSPORT INFORMATION**DOT (US)**

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

15. REGULATORY INFORMATION**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: Yes 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):

Titanium Dioxide

Silica

Methanol

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.

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

U.S. TSCA: Listed

16. OTHER INFORMATION**HMIS Rating**

Health hazard: 2

Chronic Health Hazard: 0

Flammability: 1

Physical Hazard: 0

NFPA Rating

Health hazard: 2

Fire Hazard: 1

Reactivity Hazard: 0

ADDITIONAL COMMENTS:

None.

DATE OF PREVIOUS SDS:

Not Applicable.

CHANGES SINCE PREVIOUS SDS:

New Product.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.