



**GAF**  
**Safety Data Sheet**  
**SDS # 4050**  
**SDS Date: November 2024**

## 1. IDENTIFICATION

**PRODUCT NAME:** Unisil Silicone Roof Coating

**MANUFACTURER:** GAF

**ADDRESS:** 1 Campus Drive, Parsippany, NJ 07054

**24-HOUR EMERGENCY PHONE (CHEMTREC):** 800 – 424 – 9300

**INFORMATION ONLY:** 877 – GAF – ROOF

**PREPARED BY:** Corporate EHS

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

#### **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable Liquids	Category 3
Carcinogenicity	Category 1A
Acute Toxicity Oral	Category 4
Aspiration Toxicity	Category 1
Skin Corrosion/Irritation	Category 2

#### **Pictograms:**



**Signal word:** Danger

#### **Hazard statement(s)**

Flammable liquid and vapor.  
 May cause cancer.  
 May be fatal if swallowed and enters airways.  
 Causes skin irritation.

**Precautionary Statements - Prevention**

Obtain, read and follow all safety instructions before use.  
 Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
 Ground/bond container and receiving equipment.  
 Use explosion-proof [electrical/ventilating/lighting/...] equipment  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 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.

**Precautionary Statements - Response**

IF SWALLOWED: Immediately call a doctor or a POISON CENTER.  
 If on skin: Wash with plenty of soap and water.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 Get medical advice/attention.  
 Do NOT induce vomiting.

**Precautionary Statements - Storage**

Store in a well-ventilated place.  
 Keep container tightly closed.  
 Store locked up.  
 Do not store near flames or at elevated temperatures.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC)**

Not applicable.

**Other Information**

Unknown acute toxicity.  
 100% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Chemical Name	CAS No.	Weight-%
Crystalline Silica	14808-60-7	30 - 40%
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	30 - 40%
Titanium Dioxide	13463-67-7	0 - 10%
Methyl Tris (MEKO) Silane	22984-54-9	0 - 10%

**4. FIRST AID MEASURES****Description of first aid measures**

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**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** Remove to fresh air. Get medical attention if symptoms persist.

**Ingestion** Rinse mouth thoroughly. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician or poison control center.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. May cause skin irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use carbon dioxide, dry chemical powder, or foam.

**Unsuitable extinguishing media** Water.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

Self-contained respiratory protection should be provided for firefighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see Section 8. Keep unnecessary people away, isolate the hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources, keep flares, smoking or flames out of the hazard area.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for 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

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. For exterior use only. Do not use indoors.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep the container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

**Incompatible materials**

None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Crystalline Silica	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter	TWA: 50 µg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup> excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust : (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Mineral Spirits (with < 0.1% Benzene)	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m <sup>3</sup>	IDLH: 20000 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup> 15 min TWA: 350 mg/m <sup>3</sup>
Titanium Dioxide	Not established.	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering Controls**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

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

**Skin and body protection**

Handle with gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Use body protection appropriate to prevent contact (e.g. lab coat, overalls).

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn. A dust mask does not provide protection against vapors.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties****Physical state**

Liquid

**Odor**

Peppermint solvent

<b>Color</b>	White
<b><u>Property</u></b>	<b><u>Values</u></b>
pH	No information available
Melting point/freezing point	-95 deg F
Boiling point / boiling range	310 deg F
Flash point	103 deg F
Evaporation rate	0.1
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	7.0%
Lower flammability limit:	1.6%
Vapor pressure	0.3 mm Hg
Vapor density	5.3
Specific Gravity	1.2
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

#### **Other Information**

Softening point	No information available
Molecular weight	No information available
VOC Content	220 g/L
Density	No information available

## **10. STABILITY AND REACTIVITY**

#### **Reactivity**

No data available.

#### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of Hazardous Reactions**

None under normal processing.

#### **Conditions to avoid**

Avoid all possible sources of ignition (spark or flame). Extremes of temperature and direct sunlight.

#### **Incompatible materials**

Strong oxidizing agents.

#### **Hazardous Decomposition Products**

No data available.

## **11. TOXICOLOGICAL INFORMATION**

#### **Information on likely routes of exposure**

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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Crystalline Silica	> 10000 mg/kg ( Rat )		
Titanium Dioxide	> 10000 mg/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency (ACGIH, IARC, NTP, or OSHA) has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Crystalline Silica	A2	Group 1	Known	X
Titanium Dioxide	-	Group 2B	-	X

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 579

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

100 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

**Contaminated packaging** Do not reuse containers.

## 14. TRANSPORT INFORMATION

### DOT

If shipped in NON-BULK (<119 gal) packaging by ground transportation

**Proper shipping name** Combustible liquid, n.o.s. (Mineral Spirits)

**Hazard Class** 3



**Packing Group** III  
**UN #** 1993

**IATA**

**Proper shipping name** Combustible liquid, n.o.s. (Mineral Spirits)  
**Hazard Class** 3  
**Packing Group** III  
**UN #** 1993

**IMDG**

**Proper shipping name** Combustible liquid, n.o.s. (Mineral Spirits)  
**Hazard Class** 3  
**Packing Group** III  
**UN #** 1993

## 15. REGULATORY INFORMATION

### International Inventories

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
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Crystalline Silica	Carcinogen
Titanium Dioxide	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Crystalline Silica	X	X	X
Titanium Dioxide	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties -
<b><u>HMIS</u></b>	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection X

**ADDITIONAL COMMENTS:** None.

**DATE OF PREVIOUS SDS:** November 2020

**CHANGES SINCE PREVIOUS SDS:** Updated phone number.

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.