

SAFETY DATA SHEET

United Coatings Unisil HS II High Solids Silicone Roof Coating SDS 2269

1. PRODUCT AND COMPANY IDENTIFICATION

1.2. Product identifiers

Product name: **United Coatings Unisil HS II 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 Materials Corporation
1 Campus Drive,
Parsippany, NJ 07054
USA

Telephone : 800-766-3411

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 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



Pictograms:

Signal word: Warning

Hazard statements

H315: Causes skin irritation.
H351: Suspected of causing cancer.
H361: Suspected of damaging fertility or the unborn child.
H413: May cause long lasting harmful effects to aquatic life_

Precautionary statements

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/ vapors/ spray.
P271: Use only outdoors or in a well-ventilated area.
P201: Obtain special instructions before use.



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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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

CHEMICAL NAME	CAS #	WT %
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''- (Methisilyldiyne) 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

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

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 Carbon dioxide, foam, dry chemical, halon, water spray, sand, limestone powder.

5.2 Special hazards arising from the substance or mixture

None known.

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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
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 ³	10 mg/m ³	10 mg/m ³
Octamethylcyclotetrasiloxane	556-67-2	Not Listed	Not Listed	Not Listed
2-Butanone, O,O', O"- (Methylsilylidyne)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

8.2 Exposure controls



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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. 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.

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:	Viscous liquid in various colors including white, tan, light gray and dark gray with a slight odor.
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	Not Available
DENSITY:	Not Available
EVAPORATION RATE (nBuAc = 1):	Not Available
BOILING POINT (C°):	Not Available
FREEZING POINT (C°):	Not Available
pH:	Not Available
VISCOSITY, Dynamic	Not Available
SOLUBILITY IN WATER:	Not Available
FLASH POINT:	128°F
AUTOIGNITION TEMPERATURE:	Not Available
LEL	Not Available
UEL	Not Available

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**
Heat and sources of ignition.



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- 10.5 **Incompatible materials**
None known.
- 10.6 **Hazardous decomposition products**
When heated to decomposition this product produces noxious gases such as CO, CO₂, and others.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute toxicity

Toxicity data is available for this product.

CAS# 13463-67-7 LD50 Acute Oral	>10000 mg/kg	Rat
CAS# 112945-52-5 LD50 Acute Oral	3160 mg/kg	Rat
CAS# 556-67-2 LD50 Inhalation	>12.7 mg/kg/4Hr	Rat
CAS# 556-67-2 LD50 Acute Oral	1540 mg/kg	Rat
CAS# 556-67-2 LD50 Acute Dermal	>2400 mg/kg	Rat

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 (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, respiratory system, and eyes.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: Respiratory System

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: None know

Reproductive toxicity

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.

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

Specific target organ toxicity - single exposure

None known.

Specific target organ toxicity - repeated exposure

None known.

Aspiration hazard

None.

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 is expected to cause long term adverse effects on the aquatic environment.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil



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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)

THIS PRODUCT IS CLASSIFIED AS DANGEROUS GOODS 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 result it is exempt from regulations when shipped ground or rail within the U.S.A.

PROPER SHIPPING NAME: Non-Regulated when shipped ground or rail with U.S.A.

HAZARD CLASS NUMBER and DESCRIPTION: None

UN IDENTIFICATION NUMBER: None

PACKING GROUP: None

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2016): 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 classified as Dangerous Goods, per regulations of Transport Canada.

IMDG

PROPER SHIPPING NAME: Flammable Liquid, n.o.s.

HAZARD CLASS NUMBER and DESCRIPTION: Class 3 Flammable

UN IDENTIFICATION NUMBER: UN1993

PACKING GROUP: PGIII

DOT LABEL(S) REQUIRED: Flammable class 3

IATA

PROPER SHIPPING NAME: Flammable Liquid, n.o.s.

HAZARD CLASS NUMBER and DESCRIPTION: Class 3 Flammable

UN IDENTIFICATION NUMBER: UN1993

PACKING GROUP: PGIII

DOT LABEL(S) REQUIRED: Flammable class 3

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: Yes

Reactivity: No




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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):

 WARNING This product contains Titanium Dioxide which is known to the State of California to cause cancer.

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 Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed



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16. OTHER INFORMATION

HMIS Rating

Health hazard: 2
Chronic Health Hazard:
Flammability: 2
Physical Hazard 0

NFPA Rating

Health hazard: 2
Fire Hazard: 2
Reactivity Hazard: 0

ADDITIONAL COMMENTS:

None.

DATE OF PREVIOUS SDS:

New Product.

CHANGES SINCE PREVIOUS SDS:

New Product

This information relates to the specific material designated and may not be valid for such material used on 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.