

SAFETY DATA SHEET

Issue Date 10-May-2015

Revision Date 10-May-2015

Version 1

1. IDENTIFICATION

Product identifier Product Name

Henry 287SF Solar-Flex White Roof Coating

Other means of identification Product Code Synonyms

HE287SF None

Recommended use of the chemical and restrictions on useRecommended UseSealant.Uses advised againstNo information available

Details of the supplier of the safety data sheet

Manufacturer Address HENRY COMPANY 999 N. Sepulveda Blvd., Suite 800 El Segundo, CA 90245-2716 Company Contact: Technical Services Telephone Number: 800-486-1278 Web Site: www.henry.com www.ca.henry.com

Emergency telephone number

Emergency Telephone

CHEMTREC: 800-424-9300 CHEMTREC: 703-527-3887 CANUTEC: 613-966-6666

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

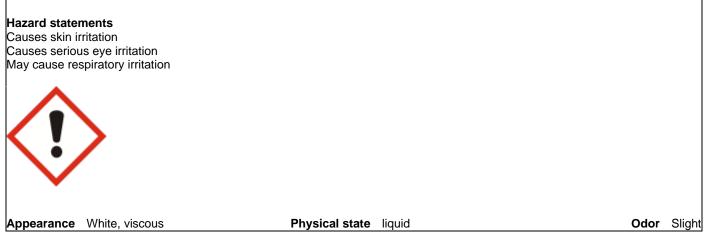
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Not classified
Acute toxicity - Inhalation (Gases)	Not classified
Acute toxicity - Inhalation (Vapors)	Not classified
Acute toxicity - Inhalation (Dusts/Mists)	Not classified
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Respiratory sensitization	Not classified
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration toxicity	Not classified

Label elements

Emergency Overview

Warning



Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection Wash hands thoroughly after handling Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Wash contaminated clothing before reuse IF INHALED: Call a POISON CENTER or doctor if you feel unwell

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Respirable silica (quartz) is classified as carcinogenic by: IARC (Group 1 - human carcinogen); NTP (known carcinogen); and ACGIH (Group 2A - suspected human carcinogen). This product is in a form that makes exposure to respirable silica unlikely when it is applied as directed.

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Water	7732-18-5	20 - 40	*
Calcium Carbonate	1317-65-3	20 - 40	*
Acrylic Polymers	NA - Mixture	10 - 30	*
Titanium Dioxide	13463-67-7	5 - 15	*

Chlorothalonil	1897-45-6	0.1 - 1	*
Silica, Quartz	14808-60-7	0.1 - 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

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 with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Most important symptoms and effe	cts, both acute and delayed
Symptoms	No information available.
Indication of any immediate medica	I attention and special treatment needed
Note to physicians	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

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

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

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	Pick up and transfer to properly labeled containers.
	7. HANDLING AND STORAGE
Precautions for safe handling	
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, includi	ng any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place.
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
Titanium Dioxide	-	TWA: 15 mg/m ³ total dust	-
13463-67-7		(vacated) TWA: 10 mg/m ³ total	
		dust	
Calcium carbonate	-	TWA: 15 mg/m ³ total dust	TWA: 10 mg/m ³ total dust
1317-65-3		TWA: 5 mg/m ³ respirable fraction	TWA: 5 mg/m ³ respirable dust
		(vacated) TWA: 15 mg/m ³ total	
		dust	
		(vacated) TWA: 5 mg/m ³ respirable	
		fraction	

Appropriate engineering controls

Engineering Controls	Showers
	Eyewash stations
	Ventilation systems.

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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective gloves and protective clothing.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
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 Appearance Color	liquid viscous white	Odor Odor threshold	Slight No information available
<u>Property</u> pH Melting point / freezing point	<u>Values</u> 6-11 No information available	<u>Remarks • Method</u>	

Boiling point / boiling range	> 100 °C
Flash point	> 100 °C
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	>1
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 Molecular weight VOC Content (%) Density Bulk density

Reactivity No data available

<u>Chemical stability</u> Stable under recommended storage conditions. <u>Possibility of Hazardous Reactions</u> None under normal processing. <u>Conditions to avoid</u> Extremes of temperature and direct sunlight. <u>Incompatible materials</u> None known based on information supplied. <u>Hazardous Decomposition Products</u> None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

10. STABILITY AND REACTIVITY

No information available

Information on likely routes of exposure

Chemical Name	Oral LD50		
Ingestion	No data available.		
Skin contact	Irritating to skin.		
Eye contact	Severely irritating to eyes.		
Inhalation	May cause irritation.		
Product Information	No data available		

Dermal LD50

Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Chlorothalonil	= 10 g/kg (Rat) > 10000 mg/kg (> 10 g/kg (Rabbit) > 2500 mg/kg	J
1897-45-6	Rat)	(Rat)	(Rat) 1 h

Information on toxicological effects

Symptoms

No information available.

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

Sensitization Germ cell mutagenicity Carcinogenicity	No informatio No informatio No informatio	on available.		
Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium Dioxide 13463-67-7	-	-	-	Х
Chlorothalonil 1897-45-6	-	Group 2B	-	X
Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard	No informatio No informatio No informatio No informatio	on available. on available.		

Numerical measures of toxicity - Product Information

ATEmix (oral)	8,000.00
ATEmix (dermal)	8,000.00
ATEmix (inhalation-gas)	99,999.00
ATEmix (inhalation-dust/mist)	20.00
ATEmix (inhalation-vapor)	99,999.00

12. ECOLOGICAL INFORMATION

Ecotoxicity

0 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea	
Chlorothalonil	0.57: 72 h Desmodesmus	0.012: 96 h Oncorhynchus mykiss	0.0342 - 0.143: 48 h Daphnia	
1897-45-6	subspicatus mg/L EC50 0.0068: 72	mg/L LC50 semi-static 0.0076: 96 h	magna mg/L EC50 Static	
	h Pseudokirchneriella subcapitata	Oncorhynchus mykiss mg/L LC50		
	mg/L EC50 static	flow-through 0.0221 - 0.032: 96 h		
	-	Lepomis macrochirus mg/L LC50		
		flow-through 0.045 - 0.057: 96 h		
		Lepomis macrochirus mg/L LC50		
		static		

Persistence and degradability

No information available.

Bioaccumulation

Bioaccumulative potential.

Chemical Name	Partition coefficient
Chlorothalonil	2.9
1897-45-6	

Other adverse effects Ozone No information available Not applicable

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ΙΑΤΑ	Not regulated
	Not regulated
IMDG	Not regulated

15. REGULATORY INFORMATION

International Inventories	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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

<u>SARA 313</u>

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

Acute health hazard

Yes

Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	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) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product contains chemicals known to the state of California to cause cancer

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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

<u>NFPA</u>	Health hazards 1	Flammability	1	Instability 0		Physical and Chemical Properties -
HMIS	Health hazards 1	Flammability	1	Physical hazards	0	Personal protection X

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No information available **Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet