

# 887 Tropi-Cool® 100% Silicone White Roof Coating by Henry Company

## Health Product Declaration v2.0

CLASSIFICATION: 07 14 16.00

created via: HPDC Online  
Builder

PRODUCT DESCRIPTION: HENRY 887 - TROPI-COOL™ 100% SILICONE WHITE ROOF COATING IS A HIGHLY-REFLECTIVE, WHITE, 100% SILICONE, MOISTURE CURE COATING DESIGNED TO REFLECT THE SUN'S HEAT AND UV RAYS AS WELL AS PROTECT MANY TYPES OF ROOFS. WHILESUITABLE FOR USE IN ALL CLIMATES, THE 100% SILICONE CHEMISTRY IS ESPECIALLY SUITED FOR EXTREME TROPICAL ENVIRONMENTS, WHICH ARE EXPOSED TO SOME OF THE HOTTEST AND WETTEST WEATHER WITH INTENSE UV EXPOSURE. IT IS SPECIALLY DESIGNED TO MAINTAIN MAXIMUM REFLECTIVITY OF HEAT AND UV RAYS AS IT AGES. ITS MOISTURE CURE CHEMISTRY CREATES A VERY AGGRESSIVE CHEMICAL BOND WITH THE ROOF, WHICH ALLOWS FOR PERMANENT PONDING WATER RESISTANCE, EXTREME DURABILITY, AND SUPERIOR CAPABILITIES OF SEALING AND PROTECTION.

## Section 1: Summary

### CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in 1 of 1 materials	Based on the selected Content Inventory Threshold:	
<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> see Section 2: Material Notes	Characterized.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> 1,000 ppm	<input checked="" type="radio"/> see Section 5: General Notes	Are the Percent Weight and Role provided for all substances?	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Per GHS SDS		Screened.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Per OSHA MSDS		Are all substances screened using Priority Hazard Lists with results disclosed?	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Other		Identified.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Are all substances disclosed by Name (Specific or Generic) and Identifier?	<input checked="" type="radio"/> Yes <input type="radio"/> No

### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

100% SILICONE WHITE ROOF COATING [ SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED **BM-2** NEPHELINE SYENITE **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN POLYDIMETHYL SILOXANE **LT-P1** | PBT OCTAMETHYLCYCLOTETRA-SILOXANE (D4) **BM-1** | REP | END | PBT | MUL 2-BUTANONE, O,O',O''-(METHYLSILYLIDYNE)TRIOXIME (8CI)(9CI) **LT-UNK** FUMED SILICA, CRYSTALLINE-FREE **LT-UNK** QUARTZ **LT-1** | CAN ]

Number of Greenscreen BM-4/BM3 contents..... 0  
Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1  
Nanomaterial..... No

### INVENTORY AND SCREENING NOTES:

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): Regulatory (g/l): 250  
Does the product contain exempt VOCs: No  
Are ultra-low VOC tints available: N/A

### CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: January 28, 2017	EXPIRY DATE*: January 28, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: January 28, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### 100% SILICONE WHITE ROOF COATING %: 100.0000 - 100.0000 HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes:

#### SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED

ID: 70131-67-8

%: 50.0000 - 60.0000

GS: BM-2

RC: None

NANO: NO

ROLE:  
Waterproofing/polymer

#### HAZARDS:

None Found

#### AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

#### SUBSTANCE NOTES:

#### NEPHELINE SYENITE

ID: 37244-96-5

%: 20.0000 - 30.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Filler/film  
strengthener

#### HAZARDS:

None Found

#### AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

#### SUBSTANCE NOTES:

#### TITANIUM DIOXIDE

ID: 13463-67-7

%: 5.0000 - 10.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Pigment

#### HAZARDS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or  
exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans -  
inhaled from occupational sources

CANCER		MAK		Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value	
SUBSTANCE NOTES: Not available in respirable form.					
POLYDIMETHYL SILOXANE				ID: 9016-00-6	
%: 5.0000 - 10.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Flexibilizer	
HAZARDS:		AGENCY(IES) WITH WARNINGS:			
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
SUBSTANCE NOTES:					
OCTAMETHYLCYCLOTETRASILOXANE (D4)				ID: 556-67-2	
%: 1.0000 - 5.0000	GS: BM-1	RC: None	NANO: NO	ROLE: Solvent	
HAZARDS:		AGENCY(IES) WITH WARNINGS:			
REPRODUCTIVE	EU - R-phrases		R62 - Possible risk of impaired fertility		
ENDOCRINE	EU - Priority Endocrine Disruptors		Category 1 - In vivo evidence of Endocrine Disruption Activity		
PBT	EU - ESIS PBT		Under PBT evaluation		
PBT	OR DEQ - Priority Persistent Pollutants		Priority Persistent Pollutant - Tier 1		
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)		
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans		
RESTRICTED LIST	US EPA - PPT Chemical Action Plans		TSCA Work Plan chemical - Action Plan in development		
REPRODUCTIVE	EU - GHS (H-Statements)		H361f - Suspected of damaging fertility		
MULTIPLE	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
ENDOCRINE	ChemSec - SIN List		Endocrine Disruption		
ENDOCRINE	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
MULTIPLE	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters		
RESTRICTED LIST	US EPA - PPT Chemical Action Plans		TSCA Work Plan chemical - ongoing chemical (risk) assessment		

## SUBSTANCE NOTES:

2-BUTANONE, O,O',O''-(METHYLSILYLIDYNE)TRIOXIME (8CI)(9CI)

ID: 22984-54-9

%: 1.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Catalyst

## HAZARDS:

None Found

## AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

FUMED SILICA, CRYSTALLINE-FREE

ID: 112945-52-5

%: 1.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Thixotrope

## HAZARDS:

None Found

## AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

## SUBSTANCE NOTES:

QUARTZ

ID: 14808-60-7

%: Impurity/Residual

GS: LT-1

RC: None

NANO: NO

ROLE: Impurity/Residual

## HAZARDS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 1: Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

SUBSTANCE NOTES: Not available in respirable form.



## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or



## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.



## Section 5: General Notes

**MANUFACTURER INFORMATION**

MANUFACTURER: Henry Company

ADDRESS: 999 N. Sepulveda Blvd.  
Suite 800  
El Segundo, CA 90245  
USA

WEBSITE: www.henry.com

CONTACT NAME: Whitney Randall

TITLE: Director, Regulatory Compliance Systems

PHONE: 484-557-1247

EMAIL: wrandall@henry.com

**KEY****OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

## Hazard Types

**AQU** Aquatic toxicity**CAN** Cancer**DEV** Developmental toxicity**END** Endocrine activity**EYE** Eye irritation/corrosivity**GEN** Gene mutation**GLO** Global warming**MAM** Mammalian/systemic/organ toxicity**MUL** Multiple hazards**NEU** Neurotoxicity**OZO** Ozone depletion**PBT** Persistent Bioaccumulative Toxic**PHY** Physical Hazard (reactive)**REP** Reproductive toxicity**RES** Respiratory sensitization**SKI** Skin sensitization/irritation/corrosivity**LAN** Land Toxicity**NF** Not found on Priority Hazard Lists

## GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)**BM-3** Benchmark 3 (use but still opportunity for improvement) **BM-2**  
Benchmark 2 (use but search for safer substitutes)**BM-1** Benchmark 1 (avoid - chemical of high concern)**BM-U** Benchmark Unspecified (insufficient data to benchmark)**LT-P1** List Translator Possible Benchmark 1**LT-1** List Translator Likely Benchmark 1**LT-UNK** List Translator Benchmark Unknown (insufficient  
information from List Translator lists to benchmark)**UNK** Unknown (no data on List Translator Lists)

## Recycled Types

**PreC** Preconsumer (Post-Industrial)**PostC** Postconsumer**Both** Both Preconsumer and Postconsumer**Unk** Inclusion of recycled content is unknown**None** Does not include recycled content

## Other

**Nano** Composed of nanoscale particles or nanotechnology

## Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)**Independent Lab** Manufacturer's self-declaration using results from an independent lab**Second Party** Verification by trade association or other interested party**Third Party** Verification by independent certifier**Applicable facilities** Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.