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

CLASSIFICATION: 07 14 16.00

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. WHILE SUITABLE 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

<table>
<thead>
<tr>
<th>Threshold per material</th>
<th>Residuals and impurities considered in 1 of 1 materials</th>
<th>Based on the selected Content Inventory Threshold:</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td></td>
<td>Characterized.......................................................</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td></td>
<td>Are the Percent Weight and Role provided for all substances? Yes No</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td></td>
<td>Screened..........................................................</td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td></td>
<td>Are all substances screened using Priority Hazard Lists with results disclosed? Yes No</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>Identified......................................................</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Are all substances disclosed by Name (Specific or Generic) and Identifier? Yes No</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SUBSTANCE</th>
<th>RESIDUAL OR IMPURITY</th>
<th>GREENSCREEN SCORE</th>
<th>HAZARD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% SILICONE WHITE ROOF COATING</td>
<td>SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED BM-2</td>
<td></td>
<td>BM-1</td>
<td>CAN</td>
</tr>
<tr>
<td></td>
<td>NEPHELINE SYENITE LT-UNK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TITANIUM DIOXIDE LT-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>POLYDIMETHYL SILICONE LT-P1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OCTAMETHYLCYCLOTETRASILOXANE (D4) BM-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2-BUTANONE, O,O',O''-(METHYLSILYLIDYNE)TRIOXIME (8CI)(9CI) LT-UNK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FUMED SILICA, CRYSTALLINE-FREE LT-UNK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>QUARTZ LT-1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

INVENTORY AND SCREENING NOTES:

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

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

<table>
<thead>
<tr>
<th>Material (g/l):</th>
<th>Regulatory (g/l): 250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does the product contain exempt VOCs: No</td>
<td></td>
</tr>
<tr>
<td>Are ultra-low VOC tints available: N/A</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

SCREENING DATE: January 28, 2017
EXPIRY DATE*: January 28, 2020

* or within 3 months of significant change in product contents

VERIFIER:
SCREENING DATE: January 28, 2017
RELEASE DATE: January 28, 2017

*See HPDC website for details
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 and www.greenscreenchemicals.org.

### 100% SILICONE WHITE ROOF COATING

<table>
<thead>
<tr>
<th>Material Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>%: 50.0000 - 60.0000</th>
<th>GS: BM-2</th>
<th>RC: None</th>
<th>NANO: NO</th>
<th>ROLE: Waterproofing/polymer</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:**

### NEPHELINE SYENITE

<table>
<thead>
<tr>
<th>Material Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEPHELINE SYENITE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>%: 20.0000 - 30.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: NO</th>
<th>ROLE: Filler/film strengthener</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:**

### TITANIUM DIOXIDE

<table>
<thead>
<tr>
<th>Material Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM DIOXIDE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>%: 5.0000 - 10.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: NO</th>
<th>ROLE: Pigment</th>
</tr>
</thead>
</table>

**HAZARDS:**

**CANCER**

US CDC - Occupational Carcinogens

**AGENCY(IES) WITH WARNINGS:**

Occupational Carcinogen

**CANCER**

CA EPA - Prop 65

**AGENCY(IES) WITH WARNINGS:**

Carcinogen - specific to chemical form or exposure route

**CANCER**

IARC

**AGENCY(IES) WITH WARNINGS:**

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

<table>
<thead>
<tr>
<th>ID: 9016-00-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 5.0000 - 10.0000</td>
</tr>
<tr>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: NO</td>
</tr>
<tr>
<td>Role: Flexibilizer</td>
</tr>
</tbody>
</table>

**Hazards:**

**Agency(ies) with warnings:**

PBT  
EC - CEPA DSL  
Persistent, Bioaccumulative and inherently Toxic (PBITH) to humans

**Substance Notes:**

### Octamethylcycloptetrasiloxane (D4)

<table>
<thead>
<tr>
<th>ID: 556-67-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 1.0000 - 5.0000</td>
</tr>
<tr>
<td>GS: BM-1</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: NO</td>
</tr>
<tr>
<td>Role: Solvent</td>
</tr>
</tbody>
</table>

**Hazards:**

**Agency(ies) with warnings:**

**Reproductive**  
EU - R-phrases  
R62 - Possible risk of impaired fertility

**Endocrine**  
EU - Priority Endocrine Disrupters  
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
### 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

### 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

### 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

- **CA EPA - Prop 65:** Carcinogen - specific to chemical form or exposure route

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

- **US NIH - Report on Carcinogens:** Known to be Human Carcinogen (respirable size - occupational setting)

- **MAK:** Carcinogen Group 1 - Substances that cause cancer in man

**SUBSTANCE NOTES:** Not available in respirable form.

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**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
environmental performance testing or certifications completed for the product may be provided.

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
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.