

CLASSIFICATION: 07 26 16.00

PRODUCT DESCRIPTION: PRO-GRADE® 197 ASPHALT EMULSION IS A PREMIUM, COLD-APPLIED PROTECTIVE COATING FOR NEW OR AGED MODIFIED BITUMEN, SMOOTH BUILT-UP ROOF SURFACES AND AGED METAL ROOFING. IT RESISTS MOISTURE INTRUSION AND LEVELS IRREGULARITIES IN ROOF SURFACES TO PROVIDE A FOUNDATION FOR REFLECTIVE SURFACE COATINGS SUCH AS PRO-GRADE® 280 ELASTOMERIC WHITE ROOF COATING AND PRO-GRADE® 586, 588 & 599 ALUMINUM ROOF COATINGS. PRO-GRADE® 197 MAY BE REINFORCED WITH HENRY 189 FIBERGLASS ROVING OR HENRY 195 POLYESTER FABRIC TO PROVIDE INCREASED STRENGTH, SAG RESISTANCE AND LONGER WARRANTY DURATION.

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:	Characterized.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> 1,000 ppm	<input checked="" type="radio"/> Material Notes	Are the Percent Weight and Role provided for all substances?	
<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> see Section 5:	Screened.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Per OSHA MSDS	<input checked="" type="radio"/> General Notes	Are all substances screened using Priority Hazard Lists with results disclosed?	
<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?	

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.

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

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

ASPHALT EMULSION [WATER **BM-4** ASPHALT **LT-1** | CAN KAOLIN CLAY **LT-UNK** | CAN BENTONITE **LT-UNK** MIXTURE- 5-CHLORO-2-METHYL-2,3-DIHYDROISOTHIAZOL-3-ONE [26172-55-4] AND 2-METHYL-2,3-DIHYDROISOTHIAZOL-3-ONE [2682-20-4] MIXTURE IN RATIO 3:1 (SH) **LT-UNK** | SKI QUARTZ **LT-1** | CAN]

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0 Regulatory (g/l):
 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 22, 2017	EXPIRY DATE*: January 22, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: January 22, 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 and www.greenscreenchemicals.org.

ASPHALT EMULSION %: 100.0000 - 100.0000 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: Yes

Material Notes:

WATER

ID: 7732-18-5

%: 40.0000 - 50.0000

GS: BM-4

RC: None

NANO: NO

ROLE: Solvent

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ASPHALT

ID: 8052-42-4

%: 35.0000 - 45.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Waterproofing/flexibility

HAZARDS:

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: IARC classifies asphalt as a carcinogen when used in road paving applications. This product is not intended for that use.

KAOLIN CLAY

ID: 1332-58-7

%: 5.0000 - 10.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Thixotrope/film strengthener

HAZARDS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

BENTONITE

ID: 1302-78-9

%: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: NO ROLE: Thixotrope/film strengthener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

MIXTURE- 5-CHLORO-2-METHYL-2,3-DIHYDROISOTHIAZOL-3-ONE [26172-55-4] AND 2-METHYL-2,3-DIHYDROISOTHIAZOL-3-ONE [2682-20-4] MIXTURE IN RATIO 3:1 (SH) ID:

%: 0.0010 - 0.0100 GS: LT-UNK RC: None NANO: NO ROLE: Preservative

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

QUARTZ

ID: 14808-60-7

%: Impurity/Residual GS: LT-1 RC: None NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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 present in a 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 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



MANUFACTURER INFORMATION

MANUFACTURER: Henry Company
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 El Segundo, CA 90245
 USA
 WEBSITE: www.henry.com

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

GreenScreen (GS)

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

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.