

HPD UNIQUE IDENTIFIER: 5975531964416

CLASSIFICATION: 09 94 00 Decorative Finishing

PRODUCT DESCRIPTION: Scuffmaster Solid Metal provides an elegant metallic effect that will enhance any commercial space. The finish system is formulated with a water-based polyurethane metallic coating, followed by a protective water-based polyurethane clear coat.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                               | Threshold Level                          | Residuals/Impurities Evaluation                               | For all contents above the threshold, the manufacturer has:                        |
|----------------------------------------------------------|------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> Nested Materials Method | <input checked="" type="radio"/> 100 ppm | Completed in 4 of 4 Materials                                 | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <input type="radio"/> Basic Method                       | <input type="radio"/> 1,000 ppm          | <b>Explanation(s) provided for Residuals/Impurities?</b>      | <i>Provided weight and role.</i>                                                   |
| <b>Threshold Disclosed Per</b>                           | <input type="radio"/> Per GHS SDS        | <input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Screened</b> <input type="radio"/> Yes <input checked="" type="radio"/> No      |
| <input type="radio"/> Material                           | <input type="radio"/> Other              |                                                               | <i>Provided screening results using HPDC-approved methods.</i>                     |
| <input checked="" type="radio"/> Product                 |                                          |                                                               | <b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> No    |
|                                                          |                                          |                                                               | <i>Provided name and CAS RN or other identifier.</i>                               |

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.

**NESTED MATERIAL** | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY*

**GREENSCREEN SCORE** | HAZARD TYPE

**ULTRA CLEAR (GLOSS)** [ **AMBIENT CROSSLINKING EMULSION** Not Screened **WATERBORNE POLYURETHANE** Not Screened **WATER** BM-4 **PROPYLENE GLYCOL** BM-2 | END | MAM **ETHYLENE GLYCOL MONO-N-BUTYL ETHER** BM-2 | END | SKI | EYE | MAM | REP **RHEOLOGY MODIFIER** Not Screened **DEFOAMER** Not Screened **TRIETHYLAMINE** BM-2 | SKI | PHY | MAM | EYE | AQU **DOCUSATE SODIUM** LT-P1 | MUL | SKI | EYE | REP | DEV **POLYETHYLENE GLYCOL MONO(BRANCHED P-NONYLPHENYL) ETHER** BM-1tp | END | SKI | EYE **POLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPYL)-OMEGA-HYDROXY-POLYETHYLENE GLYCOL DI(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYPHENYL)-1-OXOPROPYL) ETHER** NoGS **MACROGOL** LT-UNK **DECANEDIOIC ACID, 1,10-BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER** BM-1 | PBT | MUL | MAM | EYE **2-AMINO-2-METHYLPROPANOL** LT-UNK | SKI | EYE | AQU **AMMONIUM HYDROXIDE** LT-P1 | MUL | SKI | AQU | MAM | EYE | PHY **METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE** LT-P1 | MUL **ACRYLIC MONOMER** Not Screened ] **MC 2000** [ **ACRYLIC ENAMEL EMULSION** Not Screened **WATER** BM-4 **URETHANE-ACRYLIC COPOLYMER** Not Screened **TEXANOL** LT-UNK | CAN | AQU **PROPYLENE GLYCOL** BM-2 | END | MAM **COPOLYMER DISPERSANT** Not Screened **RHEOLOGY MODIFIER** Not Screened **DEFOAMER** Not Screened **TRISODIUM PHOSPHATE** LT-P1 | SKI | EYE | MAM | AQU **POLYETHYLENE GLYCOL MONO(BRANCHED P-NONYLPHENYL) ETHER** BM-1tp | END | SKI | EYE **HASE THICKENER** Not Screened **3-iodo-2-propynylbutylcarbamate** BM-2 | END | SKI | MUL | MAM | AQU | EYE **2-AMINO-2-METHYLPROPANOL** LT-UNK | SKI | EYE | AQU **N-BUTYL METHACRYLATE** LT-UNK | SKI | CAN | EYE | MAM | AQU **METHACRYLIC ACID** LT-UNK | SKI | MAM | EYE ] **METALLIC SLURRY** [ **WATER** BM-4 **ALUMINUM** BM-1 | END | PHY | MAM

Number of Greenscreen BM-4/BM3 contents ... 3

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

All substances for which the identity is known are screened, all substances which are unknown or undisclosed are provided with their GHS classification.

ETHYLENE GLYCOL MONO-N-BUTYL ETHER BM-2 END | SKI | EYE |  
MAM | REP 2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL LT-UNK | EYE  
| AQU AMINE 220 LT-P1 | MUL | SKI | EYE | AQU ] MASTERLINK [  
TRIMETHYLOLPROPANE, TRIS(3-(2-  
METHYLAZIRIDINYL)PROPANOATE) BM-1 ]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 60 Regulatory (g/l): 150  
Does the product contain exempt VOCs: Yes  
Are colorants available that do not increase the VOC content of the  
base paint when tinted: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional  
listings.  
VOC emissions: MAS Certified Green - VOC Emissions  
VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) -  
Classroom & Office scenario  
VOC content: SCAQMD Rule 1113 Architectural Coatings - Flats, floor  
coatings, non flat coatings, quick dry enamels, roof coatings only - 2007  
amendments

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?  
☐ Yes  
☒ No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2023-10-16  
PUBLISHED DATE: 2023-10-16  
EXPIRY DATE: 2026-10-16

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

ULTRA CLEAR (GLOSS)

%: 45.0000 - 50.0000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Other: Paint

RESIDUALS AND IMPURITIES NOTES: As specified per supplier GHS SDS

OTHER MATERIAL NOTES:

AMBIENT CROSSLINKING EMULSION

ID: Not Registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: Not Screened

%: 33.0000 - 39.0000

GreenScreen: Not Screened

RC: None

NANO: No

SUBSTANCE ROLE: Film former

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

Hazard Screening not performed

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

Additional Hazard Screening not performed

SUBSTANCE NOTES: Ambient Crosslinking Interior/Exterior Emulsion Polymer developed for low VOC aqueous gloss enamels with excellent durability and resistance properties.  
This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

WATERBORNE POLYURETHANE

ID: Not Registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: Not Screened

%: 32.0000 - 38.0000

GreenScreen: Not Screened

RC: None

NANO: No

SUBSTANCE ROLE: Film former

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

Hazard Screening not performed

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

Additional Hazard Screening not performed

SUBSTANCE NOTES: 40% solids anionic-stabilized aliphatic urethane polymer.  
OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Serious eye damage/eye irritation Category 2A  
Specific target organ toxicity (single exposure) Category 3

|                                                           |                                              |                                                                                           |                                           |                         |
|-----------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                              |                                                                                           | HAZARD SCREENING DATE: 2023-10-16 8:58:49 |                         |
| %: 18.0000 - 23.0000                                      | GreenScreen: BM-4                            | RC: None                                                                                  | NANO: No                                  | SUBSTANCE ROLE: Carrier |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                         | WARNINGS                                                                                  |                                           |                         |
| None found                                                |                                              | No warnings found on HPD Priority Hazard Lists                                            |                                           |                         |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                         | NOTIFICATION                                                                              |                                           |                         |
| EXEMPT                                                    | European Union / European Commission (EU EC) | EU - REACH Exemptions<br><br>Exempted from REACH Annex IV listing due to intrinsic safety |                                           |                         |
| SUBSTANCE NOTES:                                          |                                              |                                                                                           |                                           |                         |

|                                                           |                                             |                                                                                                                                                           |                                           |                         |
|-----------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                             |                                                                                                                                                           | HAZARD SCREENING DATE: 2023-10-16 8:58:49 |                         |
| %: 2.2500 - 2.7500                                        | GreenScreen: BM-2                           | RC: None                                                                                                                                                  | NANO: No                                  | SUBSTANCE ROLE: Solvent |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |                                           |                         |
| END                                                       | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                                                             |                                           |                         |
| MAM                                                       | GHS - Japan                                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                           |                         |
| MAM                                                       | GHS - Japan                                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                                           |                         |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                                                              |                                           |                         |
| RESTRICTED LIST                                           | Green Science Policy Institute (GSPI)       | GSPI - Six Classes Precautionary List                                                                                                                     |                                           |                         |
|                                                           |                                             | Antimicrobials                                                                                                                                            |                                           |                         |
| RESTRICTED LIST                                           | Green Science Policy Institute (GSPI)       | GSPI - Six Classes Precautionary List                                                                                                                     |                                           |                         |
|                                                           |                                             | Some Solvents                                                                                                                                             |                                           |                         |
| POSITIVE LIST                                             | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL)                                                                                                      |                                           |                         |
|                                                           |                                             | Enzymes and Stabilizers - Green Circle (Verified Low Concern)                                                                                             |                                           |                         |
| SUBSTANCE NOTES:                                          |                                             |                                                                                                                                                           |                                           |                         |

|                                                           |                                           |
|-----------------------------------------------------------|-------------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2023-10-16 8:58:49 |
|-----------------------------------------------------------|-------------------------------------------|

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                  |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                                                                             |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| EYE                 | GHS - New Zealand                                        | Eye irritation category 2                                                                                                                                 |
| EYE                 | GHS - Australia                                          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| MAM                 | GHS - Japan                                              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| SKI                 | GHS - Japan                                              | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |
| REP                 | GHS - Japan                                              | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                                           |
| MAM                 | Québec CSST - WHMIS 1988                                 | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |
| MAM                 | GHS - Japan                                              | H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]                                                                                  |
| EYE                 | GHS - Japan                                              | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                                                  |
| MAM                 | GHS - Japan                                              | H330 - Fatal if inhaled [Acute toxicity (inhalation: vapor) - Category 2]                                                                                 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List                                                                                                                     |
|                     |                                                          | Some Solvents                                                                                                                                             |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |
|                     |                                                          | Cosmetics & Personal Care Products                                                                                                                        |
| SUBSTANCE NOTES:    |                                                          |                                                                                                                                                           |

RHEOLOGY MODIFIER

ID: Not Registered

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: Not Screened

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS     |
|---------------------|-------------------------------------------|--------------|
|                     | Hazard Screening not performed            |              |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION |
|                     | Additional Hazard Screening not performed |              |

SUBSTANCE NOTES: Solvent-free, hydrophobically modified ethylene oxide urethane (HEUR) based on proprietary technology.  
GHS classification in accordance with 29 CFR 1910.1200 Not a hazardous substance or mixture.

DEFOAMER

ID: Not Registered

|                                                           |                                           |                                     |          |                          |
|-----------------------------------------------------------|-------------------------------------------|-------------------------------------|----------|--------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                           | HAZARD SCREENING DATE: Not Screened |          |                          |
| %: 0.3000 - 1.0000                                        | GreenScreen: Not Screened                 | RC: None                            | NANO: No | SUBSTANCE ROLE: Defoamer |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                      | WARNINGS                            |          |                          |
|                                                           | Hazard Screening not performed            |                                     |          |                          |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                      | NOTIFICATION                        |          |                          |
|                                                           | Additional Hazard Screening not performed |                                     |          |                          |

SUBSTANCE NOTES: Specialty foam control agent designed for use with acrylic paint systems.  
This material is considered not hazardous as defined by OSHA 29 CFR 1910.1200

TRIETHYLAMINE

ID: 121-44-8

|                                                           |                   |                                           |          |                                   |
|-----------------------------------------------------------|-------------------|-------------------------------------------|----------|-----------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2023-10-16 8:58:49 |          |                                   |
| %: Impurity/Residual                                      | GreenScreen: BM-2 | RC: None                                  | NANO: No | SUBSTANCE ROLE: Impurity/Residual |

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS                                                                                                         |
|---------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]             |
| PHY                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                       |
| MAM                 | GHS - Japan                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]          |
| MAM                 | GHS - Japan                               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |
| EYE                 | GHS - New Zealand                         | Serious eye damage category 1                                                                                    |
| EYE                 | GHS - Japan                               | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                              |
| SKI                 | GHS - Japan                               | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]                        |
| SKI                 | GHS - Australia                           | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]             |
| SKI                 | GHS - Korea                               | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]                          |
| SKI                 | GHS - New Zealand                         | Skin corrosion category 1B                                                                                       |
| AQU                 | GHS - Japan                               | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                         |
| PHY                 | GHS - Korea                               | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                       |
| PHY                 | GHS - New Zealand                         | Flammable liquids category 2                                                                                     |
| PHY                 | GHS - Japan                               | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                       |
| PHY                 | GHS - Australia                           | H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]                                       |
| MAM                 | GHS - Korea                               | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]                                         |
| MAM                 | GHS - Japan                               | H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]                                         |
| MAM                 | GHS - Australia                           | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]                                         |
| MAM                 | GHS - Australia                           | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                               |
| MAM                 | GHS - New Zealand                         | Acute dermal toxicity category 3                                                                                 |
| MAM                 | GHS - Korea                               | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                               |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION                                                                                                     |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)     | GSPI - Six Classes Precautionary List                                                                            |
|                     |                                           | Some Solvents                                                                                                    |

SUBSTANCE NOTES:

DOCUSATE SODIUM

ID: 577-11-7

|                                                           |                                             |                                                                                                               |                                           |                            |
|-----------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                             |                                                                                                               | HAZARD SCREENING DATE: 2023-10-16 8:58:49 |                            |
| %: 0.2000 - 0.4000                                        | GreenScreen: LT-P1                          | RC: None                                                                                                      | NANO: No                                  | SUBSTANCE ROLE: Surfactant |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                        | WARNINGS                                                                                                      |                                           |                            |
| MUL                                                       | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                    |                                           |                            |
| SKI                                                       | GHS - New Zealand                           | Skin irritation category 2                                                                                    |                                           |                            |
| SKI                                                       | GHS - Australia                             | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                        |                                           |                            |
| EYE                                                       | GHS - New Zealand                           | Serious eye damage category 1                                                                                 |                                           |                            |
| SKI                                                       | GHS - Japan                                 | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                      |                                           |                            |
| REP                                                       | GHS - Japan                                 | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]               |                                           |                            |
| EYE                                                       | GHS - Australia                             | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                             |                                           |                            |
| DEV                                                       | GHS - Japan                                 | H362 - May cause harm to breast-fed children [Developmental Toxicity - May cause harm to breast-fed children] |                                           |                            |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                  |                                           |                            |
| None found                                                |                                             | No listings found on Additional Hazard Lists                                                                  |                                           |                            |

SUBSTANCE NOTES:

POLYETHYLENE GLYCOL MONO(BRANCHED P-NONYLPHENYL) ETHER

ID: 127087-87-0

|                                                           |                     |          |                                           |                            |
|-----------------------------------------------------------|---------------------|----------|-------------------------------------------|----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     |          | HAZARD SCREENING DATE: 2023-10-16 8:58:50 |                            |
| %: 0.1500 - 0.3000                                        | GreenScreen: BM-1tp | RC: None | NANO: No                                  | SUBSTANCE ROLE: Surfactant |

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                               |
|---------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| END                 | OSPAR - Priority PBTs & EDs & equivalent concern         | Endocrine Disruptor - Chemical for Priority Action                                                                                     |
| END                 | ChemSec - SIN List                                       | Endocrine Disruption                                                                                                                   |
| SKI                 | GHS - New Zealand                                        | Skin irritation category 2                                                                                                             |
| EYE                 | GHS - New Zealand                                        | Eye irritation category 2                                                                                                              |
| SKI                 | GHS - Australia                                          | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                 |
| EYE                 | GHS - Australia                                          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                 |
| END                 | EU - SVHC List                                           | Equivalent Concern - Candidate List                                                                                                    |
| END                 | EU - SVHC List                                           | Equivalent Concern - Candidate List: endocrine disrupting properties cause probable serious effects to the environment or human health |
| END                 | EU - SVHC List                                           | Endocrine disrupting properties cause probable serious effects to the environment or human health - Banned unless Authorised           |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                           |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                            |
|                     |                                                          | Core Restrictions                                                                                                                      |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                            |
|                     |                                                          | Textile Materials                                                                                                                      |
| RESTRICTED LIST     | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2023                                            |
|                     |                                                          | Red List substances to avoid in Living Building Challenge V4.0 projects                                                                |

SUBSTANCE NOTES:

POLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPYL)-OMEGA-HYDROXY-

ID: 104810-48-2

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                | HAZARD SCREENING DATE: 2023-10-16 8:58:50 |                                       |
|-----------------------------------------------------------|----------------------|------------------------------------------------|-------------------------------------------|---------------------------------------|
| %: 0.0300 - 0.2000                                        | GreenScreen: NoGS    | RC: None                                       | NANO: No                                  | SUBSTANCE ROLE: Heat or UV stabilizer |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                       |                                           |                                       |
| None found                                                |                      | No warnings found on HPD Priority Hazard Lists |                                           |                                       |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

**POLYETHYLENE GLYCOL DI(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYPHENYL)-1-OXOPROPYL) ETHER** ID: **104810-47-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-16 8:58:50**

%: **0.0300 - 0.2000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Heat or UV stabilizer**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|----------------------|----------|
|-------------|----------------------|----------|

|            |                                                |
|------------|------------------------------------------------|
| None found | No warnings found on HPD Priority Hazard Lists |
|------------|------------------------------------------------|

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|----------------------|--------------|
|---------------------|----------------------|--------------|

|            |                                              |
|------------|----------------------------------------------|
| None found | No listings found on Additional Hazard Lists |
|------------|----------------------------------------------|

SUBSTANCE NOTES:

**MACROGOL** ID: **25322-68-3**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-16 8:58:50**

%: **0.0300 - 0.2000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Carrier**

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS |
|-------------|----------------------|----------|
|-------------|----------------------|----------|

|            |                                                |
|------------|------------------------------------------------|
| None found | No warnings found on HPD Priority Hazard Lists |
|------------|------------------------------------------------|

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION |
|---------------------|----------------------|--------------|
|---------------------|----------------------|--------------|

|                 |                                       |                                       |
|-----------------|---------------------------------------|---------------------------------------|
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List |
|-----------------|---------------------------------------|---------------------------------------|

Antimicrobials

|                 |                                       |                                       |
|-----------------|---------------------------------------|---------------------------------------|
| RESTRICTED LIST | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List |
|-----------------|---------------------------------------|---------------------------------------|

Some Solvents

SUBSTANCE NOTES:

**DECANEDIOIC ACID, 1,10-BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER** ID: **41556-26-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-16 8:58:50**

%: **0.1300 - 0.1600** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Heat or UV stabilizer**

| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS                                                                                                 |
|---------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------|
| PBT                 | EC - CEPA DSL                               | Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms) |
| MUL                 | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                               |
| MAM                 | GHS - Australia                             | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                  |
| EYE                 | GHS - Australia                             | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                        |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                             |
| None found          |                                             | No listings found on Additional Hazard Lists                                                             |
| SUBSTANCE NOTES:    |                                             |                                                                                                          |

2-AMINO-2-METHYLPROPANOL

ID: 124-68-5

|                                                            |                                           |          |                                                                                        |                        |
|------------------------------------------------------------|-------------------------------------------|----------|----------------------------------------------------------------------------------------|------------------------|
| HAZARD DATA SOURCE:  Pharos Chemical and Materials Library |                                           |          | HAZARD SCREENING DATE:  2023-10-16 8:58:50                                             |                        |
| %: 0.1000 - 0.1500                                         | GreenScreen: LT-UNK                       | RC: None | NANO: No                                                                               | SUBSTANCE ROLE: Buffer |
| HAZARD TYPE                                                | LIST NAME AND SOURCE                      |          | WARNINGS                                                                               |                        |
| SKI                                                        | EU - GHS (H-Statements) Annex 6 Table 3-1 |          | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |                        |
| EYE                                                        | EU - GHS (H-Statements) Annex 6 Table 3-1 |          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |                        |
| SKI                                                        | GHS - New Zealand                         |          | Skin irritation category 2                                                             |                        |
| EYE                                                        | GHS - New Zealand                         |          | Eye irritation category 2                                                              |                        |
| SKI                                                        | GHS - Australia                           |          | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |                        |
| EYE                                                        | GHS - Australia                           |          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |                        |
| EYE                                                        | GHS - Japan                               |          | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]    |                        |
| SKI                                                        | GHS - Japan                               |          | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]               |                        |
| AQU                                                        | GHS - New Zealand                         |          | Hazardous to the aquatic environment - chronic category 3                              |                        |
| ADDITIONAL LISTINGS                                        | LIST NAME AND SOURCE                      |          | NOTIFICATION                                                                           |                        |
| None found                                                 |                                           |          | No listings found on Additional Hazard Lists                                           |                        |
| SUBSTANCE NOTES:                                           |                                           |          |                                                                                        |                        |

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-10-16 8:58:51

%: 0.0500 - 0.1000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Buffer

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                         |
|---------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 2 - Hazard to Waters                                                                                       |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]             |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                    |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |
| EYE                 | GHS - Japan                                              | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                              |
| SKI                 | GHS - Japan                                              | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]                        |
| SKI                 | GHS - Australia                                          | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]             |
| AQU                 | GHS - Korea                                              | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                    |
| SKI                 | GHS - Korea                                              | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]                          |
| MAM                 | GHS - Australia                                          | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                               |
| PHY                 | GHS - Korea                                              | H220 - Extremely flammable gas [Flammable gases - Category 1]                                                    |
| AQU                 | GHS - Australia                                          | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                    |
| MAM                 | GHS - Korea                                              | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                               |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                     |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                      |
|                     |                                                          | Biological and Environmentally Released Materials                                                                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                      |
|                     |                                                          | Cosmetics & Personal Care Products                                                                               |

SUBSTANCE NOTES:

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-10-16 8:58:51

|                     |                                             |                    |                                              |                            |                                       |
|---------------------|---------------------------------------------|--------------------|----------------------------------------------|----------------------------|---------------------------------------|
| %: 0.0300 - 0.0600  |                                             | GreenScreen: LT-P1 | RC: None                                     | NANO: No                   | SUBSTANCE ROLE: Heat or UV stabilizer |
| HAZARD TYPE         | LIST NAME AND SOURCE                        |                    |                                              | WARNINGS                   |                                       |
| MUL                 | German FEA - Substances Hazardous to Waters |                    |                                              | Class 2 - Hazard to Waters |                                       |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        |                    |                                              | NOTIFICATION               |                                       |
| None found          |                                             |                    | No listings found on Additional Hazard Lists |                            |                                       |
| SUBSTANCE NOTES:    |                                             |                    |                                              |                            |                                       |

ACRYLIC MONOMER

ID: Not Registered

|                                                                  |                                           |                 |                                            |                                          |  |
|------------------------------------------------------------------|-------------------------------------------|-----------------|--------------------------------------------|------------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                 | HAZARD SCREENING DATE: <b>Not Screened</b> |                                          |  |
| %: <b>Impurity/Residual</b>                                      | GreenScreen: <b>Not Screened</b>          | RC: <b>None</b> | NANO: <b>No</b>                            | SUBSTANCE ROLE: <b>Impurity/Residual</b> |  |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      |                 | WARNINGS                                   |                                          |  |
|                                                                  | Hazard Screening not performed            |                 |                                            |                                          |  |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                      |                 | NOTIFICATION                               |                                          |  |
|                                                                  | Additional Hazard Screening not performed |                 |                                            |                                          |  |
| SUBSTANCE NOTES:                                                 |                                           |                 |                                            |                                          |  |

|                                                                   |                                                    |                             |
|-------------------------------------------------------------------|----------------------------------------------------|-----------------------------|
| MC 2000                                                           | %: 40.0000 - 45.0000                               |                             |
| PRODUCT THRESHOLD: 100 ppm                                        | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Other: Paint |
| RESIDUALS AND IMPURITIES NOTES: As specified per supplier GHS SDS |                                                    |                             |
| OTHER MATERIAL NOTES:                                             |                                                    |                             |

ACRYLIC ENAMEL EMULSION

ID: Not registered

|                                                                                                                                                                                                                             |                                           |                 |                                            |                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------|--------------------------------------------|------------------------------------|--|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                            |                                           |                 | HAZARD SCREENING DATE: <b>Not Screened</b> |                                    |  |
| %: <b>75.0000 - 83.0000</b>                                                                                                                                                                                                 | GreenScreen: <b>Not Screened</b>          | RC: <b>None</b> | NANO: <b>No</b>                            | SUBSTANCE ROLE: <b>Film former</b> |  |
| HAZARD TYPE                                                                                                                                                                                                                 | LIST NAME AND SOURCE                      |                 | WARNINGS                                   |                                    |  |
|                                                                                                                                                                                                                             | Hazard Screening not performed            |                 |                                            |                                    |  |
| ADDITIONAL LISTINGS                                                                                                                                                                                                         | LIST NAME AND SOURCE                      |                 | NOTIFICATION                               |                                    |  |
|                                                                                                                                                                                                                             | Additional Hazard Screening not performed |                 |                                            |                                    |  |
| SUBSTANCE NOTES: 100% acrylic emulsion developed for both interior and light-duty-exterior high gloss and semigloss enamel.<br>GHS classification in accordance with 29 CFR 1910.1200 Not a hazardous substance or mixture. |                                           |                 |                                            |                                    |  |

|                                                           |                                              |                                                                                           |                                           |                         |
|-----------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                              |                                                                                           | HAZARD SCREENING DATE: 2023-10-16 8:58:51 |                         |
| %: 5.0000 - 10.0000                                       | GreenScreen: BM-4                            | RC: None                                                                                  | NANO: No                                  | SUBSTANCE ROLE: Carrier |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                         | WARNINGS                                                                                  |                                           |                         |
| None found                                                |                                              | No warnings found on HPD Priority Hazard Lists                                            |                                           |                         |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                         | NOTIFICATION                                                                              |                                           |                         |
| EXEMPT                                                    | European Union / European Commission (EU EC) | EU - REACH Exemptions<br><br>Exempted from REACH Annex IV listing due to intrinsic safety |                                           |                         |

SUBSTANCE NOTES:

|                                                           |                                           |              |                                     |                             |
|-----------------------------------------------------------|-------------------------------------------|--------------|-------------------------------------|-----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                           |              | HAZARD SCREENING DATE: Not Screened |                             |
| %: 3.0000 - 6.0000                                        | GreenScreen: Not Screened                 | RC: None     | NANO: No                            | SUBSTANCE ROLE: Film former |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                      | WARNINGS     |                                     |                             |
|                                                           | Hazard Screening not performed            |              |                                     |                             |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                      | NOTIFICATION |                                     |                             |
|                                                           | Additional Hazard Screening not performed |              |                                     |                             |

SUBSTANCE NOTES: High solids waterborne aliphatic urethane/acrylic copolymer for air dry coating, designed for high performance. Regulation (EC) Classification Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

|                                                           |                      |                                                                                                      |                                           |                            |
|-----------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                                                                      | HAZARD SCREENING DATE: 2023-10-16 8:58:51 |                            |
| %: 3.0000 - 3.5000                                        | GreenScreen: LT-UNK  | RC: None                                                                                             | NANO: No                                  | SUBSTANCE ROLE: Coalescent |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                                                                             |                                           |                            |
| CAN                                                       | MAK                  | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |                                           |                            |
| AQU                                                       | GHS - New Zealand    | Hazardous to the aquatic environment - chronic category 3                                            |                                           |                            |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE | NOTIFICATION                                                                                         |                                           |                            |
| None found                                                |                      | No listings found on Additional Hazard Lists                                                         |                                           |                            |

SUBSTANCE NOTES:

|                                                            |                                             |                                                                                                                                                           |                                            |                         |
|------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------|
| HAZARD DATA SOURCE:  Pharos Chemical and Materials Library |                                             |                                                                                                                                                           | HAZARD SCREENING DATE:  2023-10-16 8:58:51 |                         |
| %: 1.2500 - 1.7500                                         | GreenScreen: BM-2                           | RC: None                                                                                                                                                  | NANO: No                                   | SUBSTANCE ROLE: Solvent |
| HAZARD TYPE                                                | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |                                            |                         |
| END                                                        | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                                                             |                                            |                         |
| MAM                                                        | GHS - Japan                                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                            |                         |
| MAM                                                        | GHS - Japan                                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                                            |                         |
| ADDITIONAL LISTINGS                                        | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                                                              |                                            |                         |
| RESTRICTED LIST                                            | Green Science Policy Institute (GSPI)       | GSPI - Six Classes Precautionary List                                                                                                                     |                                            |                         |
|                                                            |                                             | Antimicrobials                                                                                                                                            |                                            |                         |
| RESTRICTED LIST                                            | Green Science Policy Institute (GSPI)       | GSPI - Six Classes Precautionary List                                                                                                                     |                                            |                         |
|                                                            |                                             | Some Solvents                                                                                                                                             |                                            |                         |
| POSITIVE LIST                                              | US Environmental Protection Agency (US EPA) | US EPA - DfE Safer Chemicals Ingredients list (SCIL)                                                                                                      |                                            |                         |
|                                                            |                                             | Enzymes and Stabilizers - Green Circle (Verified Low Concern)                                                                                             |                                            |                         |
| SUBSTANCE NOTES:                                           |                                             |                                                                                                                                                           |                                            |                         |

|                                                                                                                      |                                           |              |                                     |                            |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------|-------------------------------------|----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                            |                                           |              | HAZARD SCREENING DATE: Not Screened |                            |
| %: 0.5000 - 1.5000                                                                                                   | GreenScreen: Not Screened                 | RC: None     | NANO: No                            | SUBSTANCE ROLE: Dispersant |
| HAZARD TYPE                                                                                                          | LIST NAME AND SOURCE                      | WARNINGS     |                                     |                            |
|                                                                                                                      | Hazard Screening not performed            |              |                                     |                            |
| ADDITIONAL LISTINGS                                                                                                  | LIST NAME AND SOURCE                      | NOTIFICATION |                                     |                            |
|                                                                                                                      | Additional Hazard Screening not performed |              |                                     |                            |
| SUBSTANCE NOTES: 35% solids, ammonium salt of a hydrophobic copolymer dispersant for interior/exterior latex paints. |                                           |              |                                     |                            |
| GHS classification in accordance with 29 CFR 1910.1200                                                               |                                           |              |                                     |                            |
| Skin sensitisation - Category 1                                                                                      |                                           |              |                                     |                            |

|                                                           |  |  |                                     |  |
|-----------------------------------------------------------|--|--|-------------------------------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |  |  | HAZARD SCREENING DATE: Not Screened |  |
|-----------------------------------------------------------|--|--|-------------------------------------|--|

|                                                                                                                                                                                                                         |  |                                           |  |          |  |              |  |                                    |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|----------|--|--------------|--|------------------------------------|--|
| %: 0.5000 - 1.5000                                                                                                                                                                                                      |  | GreenScreen: Not Screened                 |  | RC: None |  | NANO: No     |  | SUBSTANCE ROLE: Viscosity modifier |  |
| HAZARD TYPE                                                                                                                                                                                                             |  | LIST NAME AND SOURCE                      |  |          |  | WARNINGS     |  |                                    |  |
|                                                                                                                                                                                                                         |  | Hazard Screening not performed            |  |          |  |              |  |                                    |  |
| ADDITIONAL LISTINGS                                                                                                                                                                                                     |  | LIST NAME AND SOURCE                      |  |          |  | NOTIFICATION |  |                                    |  |
|                                                                                                                                                                                                                         |  | Additional Hazard Screening not performed |  |          |  |              |  |                                    |  |
| SUBSTANCE NOTES: Solvent-free, hydrophobically modified ethylene oxide urethane (HEUR) based on proprietary technology.<br>GHS classification in accordance with 29 CFR 1910.1200 Not a hazardous substance or mixture. |  |                                           |  |          |  |              |  |                                    |  |

|                                                                                                                                                                             |                                           |          |                                     |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------|-------------------------------------|--------------------------|
| DEFOAMER                                                                                                                                                                    |                                           |          |                                     | ID: Not registered       |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                                                                   |                                           |          | HAZARD SCREENING DATE: Not Screened |                          |
| %: 0.5000 - 1.0000                                                                                                                                                          | GreenScreen: Not Screened                 | RC: None | NANO: No                            | SUBSTANCE ROLE: Defoamer |
| HAZARD TYPE                                                                                                                                                                 | LIST NAME AND SOURCE                      |          | WARNINGS                            |                          |
|                                                                                                                                                                             | Hazard Screening not performed            |          |                                     |                          |
| ADDITIONAL LISTINGS                                                                                                                                                         | LIST NAME AND SOURCE                      |          | NOTIFICATION                        |                          |
|                                                                                                                                                                             | Additional Hazard Screening not performed |          |                                     |                          |
| SUBSTANCE NOTES: Specialty foam control agent designed for use with acrylic paint systems.<br>This material is considered not hazardous as defined by OSHA 29 CFR 1910.1200 |                                           |          |                                     |                          |

|                                                           |                      |          |                                                                                                      |                            |
|-----------------------------------------------------------|----------------------|----------|------------------------------------------------------------------------------------------------------|----------------------------|
| TRISODIUM PHOSPHATE                                       |                      |          |                                                                                                      | ID: 7601-54-9              |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |          | HAZARD SCREENING DATE: 2023-10-16 8:58:52                                                            |                            |
| %: 0.2000 - 0.3000                                        | GreenScreen: LT-P1   | RC: None | NANO: No                                                                                             | SUBSTANCE ROLE: Surfactant |
| HAZARD TYPE                                               | LIST NAME AND SOURCE |          | WARNINGS                                                                                             |                            |
| SKI                                                       | GHS - New Zealand    |          | Skin corrosion category 1C                                                                           |                            |
| EYE                                                       | GHS - New Zealand    |          | Serious eye damage category 1                                                                        |                            |
| EYE                                                       | GHS - Japan          |          | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                  |                            |
| SKI                                                       | GHS - Japan          |          | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]            |                            |
| SKI                                                       | GHS - Australia      |          | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |                            |
| MAM                                                       | GHS - New Zealand    |          | Acute inhalation toxicity category 3                                                                 |                            |
| AQU                                                       | GHS - New Zealand    |          | Hazardous to the aquatic environment - chronic category 3                                            |                            |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES:    |                      |                                              |

## POLYETHYLENE GLYCOL MONO(BRANCHED P-NONYLPHENYL) ETHER

ID: 127087-87-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-10-16 8:58:52**

%: **0.2500 - 0.3000**      GreenScreen: **BM-1tp**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Surfactant**

| HAZARD TYPE | LIST NAME AND SOURCE                             | WARNINGS                                                                                                                               |
|-------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| END         | OSPAR - Priority PBTs & EDs & equivalent concern | Endocrine Disruptor - Chemical for Priority Action                                                                                     |
| END         | ChemSec - SIN List                               | Endocrine Disruption                                                                                                                   |
| SKI         | GHS - New Zealand                                | Skin irritation category 2                                                                                                             |
| EYE         | GHS - New Zealand                                | Eye irritation category 2                                                                                                              |
| SKI         | GHS - Australia                                  | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                 |
| EYE         | GHS - Australia                                  | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                 |
| END         | EU - SVHC List                                   | Equivalent Concern - Candidate List                                                                                                    |
| END         | EU - SVHC List                                   | Equivalent Concern - Candidate List: endocrine disrupting properties cause probable serious effects to the environment or human health |
| END         | EU - SVHC List                                   | Endocrine disrupting properties cause probable serious effects to the environment or human health - Banned unless Authorised           |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                |
|---------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                     |                                                         | Core Restrictions                                                                           |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                     |                                                         | Textile Materials                                                                           |
| RESTRICTED LIST     | International Living Future Institute (ILFI)            | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2023 |
|                     |                                                         | Red List substances to avoid in Living Building Challenge V4.0 projects                     |

SUBSTANCE NOTES:

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: Not Screened

%: 0.1000 - 0.2000

GreenScreen: Not Screened

RC: None

NANO: No

SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

Hazard Screening not performed

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

Additional Hazard Screening not performed

SUBSTANCE NOTES: Low-cost hydrophobically modified alkali-swellable emulsion designed for all latex paints.  
This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-10-16 8:58:52

%: 0.1000 - 0.2000

GreenScreen: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Antimicrobial Pesticide

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKI

MAK

Sensitizing Substance Sh - Danger of skin sensitization

MUL

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

MAM

EU - GHS (H-Statements) Annex 6 Table 3-1

H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]

AQU

EU - GHS (H-Statements) Annex 6 Table 3-1

H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]

AQU

EU - GHS (H-Statements) Annex 6 Table 3-1

H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]

MAM

EU - GHS (H-Statements) Annex 6 Table 3-1

H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]

EYE

EU - GHS (H-Statements) Annex 6 Table 3-1

H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]

SKI

GHS - Australia

H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]

MAM

GHS - Japan

H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]

MAM

GHS - New Zealand

Specific target organ toxicity - repeated exposure category 1

MAM

GHS - Japan

H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]

|     |                   |                                                                                                                           |
|-----|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| EYE | GHS - New Zealand | Serious eye damage category 1                                                                                             |
| EYE | GHS - Japan       | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                                       |
| MAM | GHS - New Zealand | Acute inhalation toxicity category 3                                                                                      |
| SKI | GHS - New Zealand | Skin sensitisation category 1                                                                                             |
| AQU | GHS - New Zealand | Hazardous to the aquatic environment - acute category 1                                                                   |
| AQU | GHS - Japan       | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU | GHS - Japan       | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU | GHS - Australia   | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU | GHS - New Zealand | Hazardous to the aquatic environment - chronic category 1                                                                 |
| MAM | GHS - Australia   | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                        |
| EYE | GHS - Australia   | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                                         |
| MAM | GHS - Japan       | H331 - Toxic if inhaled [Acute toxicity (inhalation: dust, mist) - Category 3]                                            |

|                     |                                                          |                                                                                                                                       |
|---------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                          |
| RESTRICTED LIST     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                            |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                           |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products |

SUBSTANCE NOTES:

|                                                           |                     |          |                                           |                        |  |
|-----------------------------------------------------------|---------------------|----------|-------------------------------------------|------------------------|--|
| 2-AMINO-2-METHYLPROPANOL                                  |                     |          |                                           | ID: 124-68-5           |  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     |          | HAZARD SCREENING DATE: 2023-10-16 8:58:52 |                        |  |
| %: 0.1000 - 0.1500                                        | GreenScreen: LT-UNK | RC: None | NANO: No                                  | SUBSTANCE ROLE: Buffer |  |

| HAZARD TYPE         | LIST NAME AND SOURCE                      | WARNINGS                                                                               |
|---------------------|-------------------------------------------|----------------------------------------------------------------------------------------|
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| SKI                 | GHS - New Zealand                         | Skin irritation category 2                                                             |
| EYE                 | GHS - New Zealand                         | Eye irritation category 2                                                              |
| SKI                 | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                 |
| EYE                 | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| EYE                 | GHS - Japan                               | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]    |
| SKI                 | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]               |
| AQU                 | GHS - New Zealand                         | Hazardous to the aquatic environment - chronic category 3                              |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                      | NOTIFICATION                                                                           |
| None found          |                                           | No listings found on Additional Hazard Lists                                           |

SUBSTANCE NOTES:

|                                                           |                     |                                           |          |                                   |
|-----------------------------------------------------------|---------------------|-------------------------------------------|----------|-----------------------------------|
| N-BUTYL METHACRYLATE                                      |                     |                                           |          | ID: 97-88-1                       |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     | HAZARD SCREENING DATE: 2023-10-16 8:58:52 |          |                                   |
| ?: Impurity/Residual                                      | GreenScreen: LT-UNK | RC: None                                  | NANO: No | SUBSTANCE ROLE: Impurity/Residual |

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                |
|-------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------|
| SKI         | MAK                                       | Sensitizing Substance Sh - Danger of skin sensitization                                                 |
| CAN         | IARC                                      | Group 2b - Possibly carcinogenic to humans                                                              |
| SKI         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                  |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                  |
| MAM         | GHS - Japan                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |
| SKI         | GHS - New Zealand                         | Skin irritation category 2                                                                              |
| EYE         | GHS - New Zealand                         | Eye irritation category 2                                                                               |
| SKI         | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                  |
| EYE         | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                  |
| AQU         | GHS - New Zealand                         | Hazardous to the aquatic environment - chronic category 3                                               |
| SKI         | GHS - New Zealand                         | Skin sensitisation category 1                                                                           |
| AQU         | GHS - Japan                               | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION                          |
|---------------------|---------------------------------------|---------------------------------------|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List |
|                     |                                       | Some Solvents                         |

SUBSTANCE NOTES:

METHACRYLIC ACID

ID: 79-41-4

|                                   |                                       |                        |                    |
|-----------------------------------|---------------------------------------|------------------------|--------------------|
| HAZARD DATA SOURCE:               | Pharos Chemical and Materials Library | HAZARD SCREENING DATE: | 2023-10-16 8:58:53 |
| %: Impurity/Residual              | GreenScreen: LT-UNK                   | RC: None               | NANO: No           |
| SUBSTANCE ROLE: Impurity/Residual |                                       |                        |                    |

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                  |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                                      |
| MAM                 | GHS - Japan                                              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| EYE                 | GHS - New Zealand                                        | Serious eye damage category 1                                                                                                                             |
| EYE                 | GHS - Japan                                              | H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]                                                                       |
| SKI                 | GHS - Australia                                          | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                                      |
| SKI                 | GHS - New Zealand                                        | Skin corrosion category 1B                                                                                                                                |
| MAM                 | GHS - Japan                                              | H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]                                                                                  |
| MAM                 | GHS - Australia                                          | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]                                                                                  |
| MAM                 | GHS - New Zealand                                        | Acute dermal toxicity category 3                                                                                                                          |
| SKI                 | GHS - Japan                                              | H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1A]                                                                |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Some Solvents                                                                                                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products                     |
| SUBSTANCE NOTES:    |                                                          |                                                                                                                                                           |

METALLIC SLURRY

%: 6.0000 - 7.0000

|                                                                              |                                                    |                                          |
|------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------|
| PRODUCT THRESHOLD: 100 ppm                                                   | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Other: Pigment dispersion |
| RESIDUALS AND IMPURITIES NOTES: As specified per supplier GHS SDS            |                                                    |                                          |
| OTHER MATERIAL NOTES: GHS classification in accordance with 29 CFR 1910.1200 |                                                    |                                          |
| Skin irritation : Category 2                                                 |                                                    |                                          |
| Serious eye damage: Category 1                                               |                                                    |                                          |
| Skin sensitization: Category 1                                               |                                                    |                                          |
| Specific target organ toxicity - repeated exposure: Category 2               |                                                    |                                          |

|                                                                  |                                              |                 |                                                                                           |                                |
|------------------------------------------------------------------|----------------------------------------------|-----------------|-------------------------------------------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                              |                 | HAZARD SCREENING DATE: <b>2023-10-16 8:58:53</b>                                          |                                |
| %: <b>40.0000 - 60.0000</b>                                      | GreenScreen: <b>BM-4</b>                     | RC: <b>None</b> | NANO: <b>No</b>                                                                           | SUBSTANCE ROLE: <b>Carrier</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                         |                 | WARNINGS                                                                                  |                                |
| None found                                                       |                                              |                 | No warnings found on HPD Priority Hazard Lists                                            |                                |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                         |                 | NOTIFICATION                                                                              |                                |
| EXEMPT                                                           | European Union / European Commission (EU EC) |                 | EU - REACH Exemptions<br><br>Exempted from REACH Annex IV listing due to intrinsic safety |                                |
| SUBSTANCE NOTES:                                                 |                                              |                 |                                                                                           |                                |

ALUMINUM

ID: 7429-90-5

|                                                                  |                                           |                 |                                                                                                                                                           |                                         |
|------------------------------------------------------------------|-------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                 | HAZARD SCREENING DATE: <b>2023-10-16 8:58:53</b>                                                                                                          |                                         |
| %: <b>30.0000 - 50.0000</b>                                      | GreenScreen: <b>BM-1</b>                  | RC: <b>None</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Surface modifier</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      |                 | WARNINGS                                                                                                                                                  |                                         |
| END                                                              | TEDX - Potential Endocrine Disruptors     |                 | Potential Endocrine Disruptor                                                                                                                             |                                         |
| PHY                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 |                 | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |                                         |
| MAM                                                              | GHS - Japan                               |                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                         |
| PHY                                                              | GHS - New Zealand                         |                 | Flammable solids category 1                                                                                                                               |                                         |
| MAM                                                              | GHS - Japan                               |                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                                         |
| PHY                                                              | GHS - Japan                               |                 | H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]             |                                         |
| PHY                                                              | GHS - Malaysia                            |                 | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |                                         |
| PHY                                                              | GHS - Australia                           |                 | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |                                         |
| PHY                                                              | GHS - New Zealand                         |                 | Pyrophoric solids category 1                                                                                                                              |                                         |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                |
|---------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                     |                                                         | Biological and Environmentally Released Materials                                           |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                     |                                                         | Children's Products                                                                         |
| SUBSTANCE NOTES:    |                                                         |                                                                                             |

ETHYLENE GLYCOL MONO-N-BUTYL ETHER

ID: 111-76-2

|                                                           |                   |          |                                           |                         |
|-----------------------------------------------------------|-------------------|----------|-------------------------------------------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   |          | HAZARD SCREENING DATE: 2023-10-16 8:58:52 |                         |
| %: 5.0000 - 10.0000                                       | GreenScreen: BM-2 | RC: None | NANO: No                                  | SUBSTANCE ROLE: Solvent |

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                  |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                                                                             |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| EYE                 | GHS - New Zealand                                        | Eye irritation category 2                                                                                                                                 |
| EYE                 | GHS - Australia                                          | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| MAM                 | GHS - Japan                                              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| SKI                 | GHS - Japan                                              | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |
| REP                 | GHS - Japan                                              | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                                           |
| MAM                 | Québec CSST - WHMIS 1988                                 | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |
| MAM                 | GHS - Japan                                              | H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]                                                                                  |
| EYE                 | GHS - Japan                                              | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                                                  |
| MAM                 | GHS - Japan                                              | H330 - Fatal if inhaled [Acute toxicity (inhalation: vapor) - Category 2]                                                                                 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List                                                                                                                     |
|                     |                                                          | Some Solvents                                                                                                                                             |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |
|                     |                                                          | Cosmetics & Personal Care Products                                                                                                                        |
| SUBSTANCE NOTES:    |                                                          |                                                                                                                                                           |

2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL

ID: 126-86-3

|                     |                                       |                        |                            |
|---------------------|---------------------------------------|------------------------|----------------------------|
| HAZARD DATA SOURCE: | Pharos Chemical and Materials Library | HAZARD SCREENING DATE: | 2023-10-16 8:58:52         |
| %: 1.0000 - 3.0000  | GreenScreen: LT-UNK                   | RC: None               | NANO: No                   |
|                     |                                       |                        | SUBSTANCE ROLE: Surfactant |

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                                  |
|---------------------|----------------------|-----------------------------------------------------------|
| EYE                 | GHS - New Zealand    | Eye irritation category 2                                 |
| AQU                 | GHS - New Zealand    | Hazardous to the aquatic environment - chronic category 3 |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                              |
| None found          |                      | No listings found on Additional Hazard Lists              |
| SUBSTANCE NOTES:    |                      |                                                           |

AMINE 220

ID: 95-38-5

|                                                                  |                                             |                                                  |                                                           |                                   |
|------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|-----------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             | HAZARD SCREENING DATE: <b>2023-10-16 8:58:52</b> |                                                           |                                   |
| %: <b>1.0000 - 3.0000</b>                                        | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b>                                  | NANO: <b>No</b>                                           | SUBSTANCE ROLE: <b>Surfactant</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                        |                                                  | WARNINGS                                                  |                                   |
| MUL                                                              | German FEA - Substances Hazardous to Waters |                                                  | Class 3 - Severe Hazard to Waters                         |                                   |
| SKI                                                              | GHS - New Zealand                           |                                                  | Skin corrosion category 1C                                |                                   |
| EYE                                                              | GHS - New Zealand                           |                                                  | Serious eye damage category 1                             |                                   |
| AQU                                                              | GHS - New Zealand                           |                                                  | Hazardous to the aquatic environment - chronic category 2 |                                   |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                        |                                                  | NOTIFICATION                                              |                                   |
| None found                                                       |                                             |                                                  | No listings found on Additional Hazard Lists              |                                   |
| SUBSTANCE NOTES:                                                 |                                             |                                                  |                                                           |                                   |

|                                                                      |  |                                                    |                                   |
|----------------------------------------------------------------------|--|----------------------------------------------------|-----------------------------------|
| MASTERLINK                                                           |  | %: 0.0000 - 1.1000                                 |                                   |
| PRODUCT THRESHOLD: 100 ppm                                           |  | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: 100% solids polyfunctional aziridine |  |                                                    |                                   |
| OTHER MATERIAL NOTES:                                                |  |                                                    |                                   |

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-10-16 8:58:53

%: 100.0000 - 100.0000

GreenScreen: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Curing agent

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|------------------------------------------------|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES:

### 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.*

| VOC EMISSIONS                                                      |                         | MAS Certified Green - VOC Emissions                                                                                                         |
|--------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| CERTIFYING PARTY: Third Party                                      | ISSUE DATE: 2023-08-31  | CERTIFIER OR LAB: Material                                                                                                                  |
| APPLICABLE FACILITIES: All facilities                              | EXPIRY DATE: 2024-09-30 | Analytical Services, LLC                                                                                                                    |
| CERTIFICATE URL:                                                   |                         |                                                                                                                                             |
| CERTIFICATION AND COMPLIANCE NOTES: Certificate No.: MAS2300547    |                         |                                                                                                                                             |
| VOC EMISSIONS                                                      |                         | CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario                                                                |
| CERTIFYING PARTY: Third Party                                      | ISSUE DATE: 2023-08-31  | CERTIFIER OR LAB: Material                                                                                                                  |
| APPLICABLE FACILITIES: All facilities                              | EXPIRY DATE: 2024-09-30 | Analytical Services, LLC                                                                                                                    |
| CERTIFICATE URL:                                                   |                         |                                                                                                                                             |
| CERTIFICATION AND COMPLIANCE NOTES: Certificate No.: MAS2300547    |                         |                                                                                                                                             |
| VOC CONTENT                                                        |                         | SCAQMD Rule 1113 Architectural Coatings - Flats, floor coatings, non flat coatings, quick dry enamels, roof coatings only - 2007 amendments |
| CERTIFYING PARTY: Self-declared                                    | ISSUE DATE: 2020-08-07  | CERTIFIER OR LAB: None                                                                                                                      |
| APPLICABLE FACILITIES: All facilities                              | EXPIRY DATE:            |                                                                                                                                             |
| CERTIFICATE URL:                                                   |                         |                                                                                                                                             |
| CERTIFICATION AND COMPLIANCE NOTES: Calculated from base materials |                         |                                                                                                                                             |

### 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.*

No accessories are required for this product.

### Section 5: General Notes

This HPD was prepared by the manufacturer. All of the information disclosed is true and accurate to the best of their knowledge.

## MANUFACTURER INFORMATION

**MANUFACTURER:** Wolf-Gordon  
**ADDRESS:** 333 7th Ave Fl 6  
 New York, New York 10001  
**COUNTRY:** United States

**WEBSITE:** <https://www.wolfgordon.com>  
**CONTACT NAME:** Shashi Sirsi  
**TITLE:** Technical Products Director  
**PHONE:** 212-255-3300  
**EMAIL:** [sustainability@wolfgordon.com](mailto:sustainability@wolfgordon.com)

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

## KEY

### Hazard Types

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |                                                      |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |                                                      |

### GreenScreen (GS)

|                                                                     |                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |                                                                |

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

### Recycled Types

|                                                     |
|-----------------------------------------------------|
| <b>PreC</b> Pre-consumer recycled content           |
| <b>PostC</b> Post-consumer recycled content         |
| <b>UNK</b> Inclusion of recycled content is unknown |
| <b>None</b> Does not include recycled content       |

### Other Terms:

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Inventory Methods:

|                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------|
| <b>Nested Method / Material Threshold</b> Substances listed within each material per threshold indicated per material |
| <b>Nested Method / Product Threshold</b> Substances listed within each material per threshold indicated per product   |
| <b>Basic Method / Product Threshold</b> Substances listed individually per threshold indicated per product            |

**Nano** Composed of nano scale particles or nanotechnology

**Third Party Verified** Verification by independent certifier approved by HPDC

**Preparer** Third party preparer, if not self-prepared by manufacturer

**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 v2.1 is not:*

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

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

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this*

