# HELMICOL 3425 A
by Helmitin Inc.

**Health Product Declaration v2.2**
created via: HPDC Online Builder

**HPD UNIQUE IDENTIFIER:** 27833
**CLASSIFICATION:** 09 65 00 Resilient Flooring
**PRODUCT DESCRIPTION:** HELMICOL 3425 is a two-component solvent-free, epoxy adhesive formulated to permanently install luxury vinyl tile and plank flooring, resilient sheet vinyl flooring, rubber tile flooring and rubber sheet flooring and rubber and vinyl stair treads. HELMICOL 3425 has been formulated to produce a superior, hard setting bond required for use in high traffic applications.

## Section 1: Summary

**Basic Method / Product Threshold**

### CONTENT INVENTORY

**Inventory Reporting Format**
- ○ Nested Materials Method
- ◉ Basic Method

**Threshold Disclosed Per**
- ○ Material
- ◉ Product

**Threshold Level**
- ○ 100 ppm
- ◉ 1,000 ppm
- ○ Per GHS SDS
- ○ Other

**Residuals/Impurities**
- ○ Considered
- ◉ Partially Considered
- ○ Not Considered

**Explanation(s) provided for Residuals/Impurities?**
- ◉ Yes ○ No

*All Substances Above the Threshold Indicated Are:*

**Characterized** ○ Yes Ex/SC ◉ Yes ○ No

*% weight and role provided for all substances.*

**Screened** ○ Yes Ex/SC ○ Yes ◉ No

*One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.*

**Identified** ○ Yes Ex/SC ○ Yes ◉ No

*One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.*

### CONTENT IN DESCENDING ORDER OF QUANTITY

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

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

HELMICOL 3425 A [ LIMESTONE LT-UNK BISPHENOL A EPICHLOROHYDRIN POLYMER LT-P1 | SKI | EYE | AQU | MUL OXIRANE, METHYL-, POLYMER WITH OXIRANE, ETHER WITH 1,2-PROPANEDIOL (2:1), POLYMER WITH 1,3-DIISOCYANATOMETHYLBENZENE, NONYLPHENOL-BLOCKED LT-UNK ALKYL (C12, C14) GLYCIDYL ETHER LT-P1 | SKI | MUL TRIMETHYLOLPROPANE TRIACRYLATE LT-P1 | SKI | CAN | EYE | RES | MUL SILICON DIOXIDE BM-1 | CAN 4-NONYLPHENOL (BRANCHED) LT-1 | AQU | END | MUL | REP | DEV | SKI | PBT 9-OCTADECENOIC ACID, 12-(OXIRANYLMETHOXY)-, 1,2,3-PROPANETRIYL ESTER, HOMOPOLYMER (9CI) LT-UNK *QUARTZ - NON-RESPIRABLE* Not Screened ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Ingredients above 1000 ppm and meeting US GHS SDS disclosure requirements are disclosed.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): <12 Regulatory (g/l): 50
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

### CERTIFICATIONS AND COMPLIANCE

*See Section 3 for additional listings.*

VOC emissions: VOC Emissions
VOC content: VOC Content
Management: ISO 9001:2015 Quality management systems

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2021-01-18
PUBLISHED DATE: 2022-03-15
EXPIRY DATE: 2024-01-18

## Section 2: Content in Descending Order of Quantity

*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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard*

### HELMICOL 3425 A

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Partially

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are partially considered.

OTHER PRODUCT NOTES: Helmicol 3425 has been formulated to produce a superior, hard setting bond required for use in high traffic applications. When dry does not promote growth of mold or mildew.

#### LIMESTONE — ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-18 21:01:35**

%: **30.0000 - 60.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

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

SUBSTANCE NOTES:

#### BISPHENOL A EPICHLOROHYDRIN POLYMER — ID: 25068-38-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-18 21:01:36**

%: **15.0000 - 40.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation |
| AQU | EU - GHS (H-Statements) | H411 - Toxic to aquatic life with long lasting effects |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction |

SUBSTANCE NOTES:

#### OXIRANE, METHYL-, POLYMER WITH OXIRANE, ETHER WITH 1,2-PROPANEDIOL (2:1), POLYMER WITH 1,3-DIISOCYANATOMETHYLBENZENE, NONYLPHENOL-BLOCKED — ID: 102900-03-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-18 21:08:48**

%: **10.0000 - 30.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES:

## ALKYL (C12, C14) GLYCIDYL ETHER

ID: 68609-97-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-18 21:14:21**

%: **5.0000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction |

SUBSTANCE NOTES:

## TRIMETHYLOLPROPANE TRIACRYLATE

ID: 15625-89-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-18 21:01:36**

%: **1.0000 - 5.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation |
| RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction |

SUBSTANCE NOTES:

## SILICON DIOXIDE

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-18 21:01:36**

%: **1.0000 - 5.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| CAN | GHS - Australia | H350i - May cause cancer by inhalation |
| CAN | GHS - Japan | Carcinogenicity - Category 1A [H350] |

SUBSTANCE NOTES:

## 4-NONYLPHENOL (BRANCHED)

ID: 84852-15-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-18 21:10:06**

%: **0.1000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| AQU | EU - GHS (H-Statements) | H400 - Very toxic to aquatic life |
| AQU | EU - GHS (H-Statements) | H410 - Very toxic to aquatic life with long lasting effects |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| END | OSPAR - Priority PBTs & EDs & equivalent concern | Endocrine Disruptor - Chemical for Priority Action |
| MUL | US EPA - PPT Chemical Action Plans | EPA Chemical of Concern - Action Plan published |
| MUL | US EPA - PPT Chemical Action Plans | TSCA Work Plan chemical - Action Plan in development |
| END | ChemSec - SIN List | Endocrine Disruption |
| REP | US EPA - PPT Chemical Action Plans | Reproductive effects |
| AQU | US EPA - PPT Chemical Action Plans | Highly toxic to aquatic organisms |
| DEV | US EPA - PPT Chemical Action Plans | Developmental Effects |
| MUL | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H314 - Causes severe skin burns and eye damage |
| REP | EU - GHS (H-Statements) | H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child |
| PBT | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Substance of Possible Concern |
| PBT | ChemSec - SIN List | PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative) |
| END | EU - SVHC Authorisation List | Equivalent Concern - Candidate List |

SUBSTANCE NOTES:

## 9-OCTADECENOIC ACID, 12-(OXIRANYLMETHOXY)-, 1,2,3-PROPANETRIYL ESTER, HOMOPOLYMER (9CI)

ID: 74398-71-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-18 21:34:39**

%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES:

## QUARTZ - NON-RESPIRABLE

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

%: **Impurity/Residual** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| | Hazard Screening not performed | |

SUBSTANCE NOTES: *This product contains a material that may be hazardous when present as an airborne dust. Since this product is in a liquid form, the material is not able to become airborne and cannot be inhaled. Thus, the hazards usually associated with this material are not applicable to this product.

## 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 | VOC Emissions | | |
|---|---|---|---|
| CERTIFYING PARTY: Self-declared<br>APPLICABLE FACILITIES: 11110 Airport Road Olive Branch MS 38654<br>CERTIFICATE URL:<br>CERTIFICATION AND COMPLIANCE NOTES: VOC <12g/L | ISSUE DATE: 2021-02-22 | EXPIRY DATE: 2023-03-01 | CERTIFIER OR LAB: Helmitin Inc. |

| VOC CONTENT | VOC Content | | |
|---|---|---|---|
| CERTIFYING PARTY: Self-declared<br>APPLICABLE FACILITIES: 11110 Airport Road Olive Branch MS 38654<br>CERTIFICATE URL:<br>CERTIFICATION AND COMPLIANCE NOTES: VOC <12g/L | ISSUE DATE: 2021-02-22 | EXPIRY DATE: 2023-03-01 | CERTIFIER OR LAB: Helmitin Inc. |

| MANAGEMENT | ISO 9001:2015 Quality management systems | | |
|---|---|---|---|
| CERTIFYING PARTY: Third Party<br>APPLICABLE FACILITIES: Helmitin - Olive Branch, MS<br>CERTIFICATE URL:<br>CERTIFICATION AND COMPLIANCE NOTES: | ISSUE DATE: 2020-06-21 | EXPIRY DATE: 2023-06-21 | CERTIFIER OR LAB: SGS International |

## 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

Helmicol 3425 can be used on porous and non-porous surfaces free of moisture. Surface to be covered must be dry, clean and smooth. Any foreign materials present such as paint, grease, oil, pen markings, adhesive residues, etc. that may prevent a proper bond or migrate to the surface causing a stain must be removed. Adhesive can be used on all grades of concrete on, above or below grade in the absence of moisture. Installation of a 10 mil (0.010”) or greater effective moisture retarder is recommended directly under all on and below grade concrete floors with its integrity insured. Concrete shall be prepared according to the recommendations outlined in ASTM F710 (Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring). Concrete floors shall be free from crazing, dusting, spalling and any curing or sealing compounds. Concrete floors shall be tested for moisture according to the latest revision of ASTM F2170 (Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes) and ASTM F1869 (Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. Wood floors must be double construction with a 1” minimum thickness, structurally sound, securely fastened and free from deflection/spring. Top layer of wood shall be underlayment grade plywood. Cracks and uneven surfaces must be filled with an approved cement-based patching compound.

# Section 6: References

## MANUFACTURER INFORMATION

MANUFACTURER: **Helmitin Inc.**
ADDRESS: **11110 Airport Road**
**Olive Branch Mississippi 38654, United States**
WEBSITE: **http://www.helmitin.com**

CONTACT NAME: **Scott Holman**
TITLE: **Director of Compliance & IT**
PHONE: **437-370-0042**
EMAIL: **s.holman@helmitin.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

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

### GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)
**BM-3** Benchmark 3 (use but still opportunity for improvement)
**BM-2** Benchmark 2 (use but search for safer substitutes)
**BM-1** Benchmark 1 (avoid - chemical of high concern)
**BM-U** Benchmark Unspecified (due to insufficient data)
**LT-P1** List Translator Possible 1 (Possible Benchmark-1)
**LT-1** List Translator 1 (Likely Benchmark-1)
**LT-UNK** List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
**NoGS** No GreenScreen.

### Recycled Types

**PreC** Pre-consumer recycled content
**PostC** Post-consumer recycled content
**UNK** Inclusion of recycled content is unknown
**None** Does not include recycled content

### Other Terms:

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

### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product
**Basic Method / Product Threshold** 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 HPD and for compliance with the HPD standard noted.*