

CLASSIFICATION: 09 67 23 Resinous Flooring

PRODUCT DESCRIPTION: A lower viscosity, high-solids, multi-purpose epoxy that can be used as a primer, broadcast, slurry/broadcast, mortar, grout coat, and topcoat. Especially useful when penetration is needed to sufficiently anchor epoxy flooring systems over lightly profiled concrete surfaces. Protects concrete surfaces from impact, abrasion and mild chemicals.

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
 Per OSHA MSDS
 Other

Residuals/Impurities

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided
for Residuals/Impurities?
 Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No

Percent Weight and Role Provided?

Screened Yes No

Using Priority Hazard Lists with Results Disclosed?

Identified Yes No

Name and Identifier Provided?

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

SERIES 233 POWER-TREAD LV [**BISPHENOL A DIGLYCIDYL ETHER (BADGE)** **LT-P1** | **END DIAMINOPOLYPROPYLENE GLYCOL** **LT-P1** | **MUL POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.,.ALPHA.'-[1,4-CYCLOHEXANEDIYLBIS(METHYLENE)]BIS[.OMEGA.-(2-AMINOMETHYLETHOXY)-** **NoGS** **ALKYL (C12, C14) GLYCIDYL ETHER** **LT-P1** | **SKI** | **MUL PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER** **LT-P1** | **MUL BUTANEDIOLDIGLYCIDYL ETHER** **LT-UNK** | **SKI** | **EYE METHYL 4-TOLUENESULPHONATE** **LT-UNK**]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Material disclosure is per GHS SDS.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): <1 g/L Regulatory (g/l): <1 g/L

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: CDPH/EHLB Standard Method v1.1 (2010) Emissions Testing

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: 2018-10-18

PUBLISHED DATE: 2018-11-30

EXPIRY DATE: 2021-10-18



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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

SERIES 233 POWER-TREAD LV

PRODUCT THRESHOLD: Per GHS SDS

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are reported when disclosed on supplier SDS and they exceed the GHS reporting threshold.

OTHER PRODUCT NOTES: This HPD covers the product as applied without thinning.

BISPHENOL A DIGLYCIDYL ETHER (BADGE)

ID: 25085-99-8

%: 60.0000 - 80.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Binder
----------------------	-----------	----------	----------	--------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

EU - Priority Endocrine Disruptors

Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

SUBSTANCE NOTES: The exact percentage (concentration) of composition has been withheld as a trade secret.

DIAMINOPOLYPROPYLENE GLYCOL

ID: 9046-10-0

%: 10.0000 - 30.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Binder
----------------------	-----------	----------	----------	--------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: The exact percentage (concentration) of composition has been withheld as a trade secret.

POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.,.ALPHA.'-[1,4-CYCLOHEXANEDIYLBIS(METHYLENE)]BIS[.OMEGA.-(2-AMINOMETHYLETHOXY)-

ID: 1220986-58-2

%: 10.0000 - 30.0000	GS: NoGS	RC: None	NANO: No	ROLE: Binder
----------------------	----------	----------	----------	--------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The exact percentage (concentration) of composition has been withheld as a trade secret.

ALKYL (C12, C14) GLYCIDYL ETHER

ID: 68609-97-2

#: **1.0000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: The exact percentage (concentration) of composition has been withheld as a trade secret.

PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER

ID: 28064-14-4

#: **1.0000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: The exact percentage (concentration) of composition has been withheld as a trade secret.

BUTANEDIOLDIGLYCIDYL ETHER

ID: 2425-79-8

#: **1.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: The exact percentage (concentration) of composition has been withheld as a trade secret.

METHYL 4-TOLUENESULPHONATE

ID: 80-48-8

#: **1.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The exact percentage (concentration) of composition has been withheld as a trade secret.

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

CDPH/EHLB Standard Method v1.1 (2010) Emissions Testing

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2016-**

EXPIRY DATE:

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **Approved for Classroom and Private Office Scenario**

02-17

Environment

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **UL Environment Report # 18289-01**

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: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **Tnemec**

APPLICABLE FACILITIES: **All**

10-18

Company, Inc.

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Series 233 meets the 50 g/L VOC limit for floor coatings.**

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 covers the product as applied without thinning.



MANUFACTURER INFORMATION

MANUFACTURER: **Tnemec Company, Inc.**
 ADDRESS: **6800 Corporate Drive**
Kansas City MO 64120, United States
 WEBSITE: **www.tnemec.com**

CONTACT NAME: **Laura Burton**
 TITLE: **Group Leader - Product Development**
 PHONE: **(816)326-4658**
 EMAIL: **burton@tnemec.com**

KEY

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

Hazard Types

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

GreenScreen (GS)

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

Recycled Types

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

Other Terms

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.