

HPD UNIQUE IDENTIFIER: 20893

CLASSIFICATION: 07 18 00 Traffic Coatings

PRODUCT DESCRIPTION: This HPD covers the entire MasterSeal Traffic 2500 flooring system and all colors. MasterSeal Traffic 2500 flooring system is a high-solids polyurethane waterproofing, traffic bearing membrane system for vehicular and pedestrian areas. The MasterSeal Traffic 2500 system is a fluid-applied system that uses a fast-setting two-component reactive curing mechanism. It has a very low odor and is VOC compliant. Additional product information and solutions can be found at: <https://www.master-builders-solutions.basf.us/en-us/architects-and-designers>

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 6 of 6 Materials

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

MASTERSEAL P255 PART B [METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) LT-UNK | RES | MUL | SKI | EYE | CAN POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC LT-UNK | MUL | SKI | EYE | RES | CAN ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH -_ HYDRO-_-HYDROXYPOLY(OXY-1,2-ETHANEDIYL) LT-UNK 4,4'-MDI DIMER LT-UNK | MUL | RES] MASTERSEAL M265 PART A [BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg DIETHYLTOLUENEDIAMINE LT-P1 | AQU | EYE | MUL] MASTERSEAL M265 PART B [POLY[OXY(METHYL-1,2-ETHANEDIYL)], -_HYDRO-_-HYDROXY-, POLYMER WITH 5-ISOCYANATO-1-(ISOCYANATOMETHYL) -1,3,3-TRIMETHYLCYCLOHEXANE LT-UNK ISOPHORONE DIISOCYANATE (I[PD]) LT-P1 | RES | AQU | SKI | EYE | MAM | MUL DISTILLATE FUEL OILS, LIGHT BM-2 | MAM | CAN SILOXANES AND SILICONES, DI-ME, ME HYDROGEN, REACTION PRODUCTS WITH POLYPROPYLENE GLYCOL MONOALLYL ETHER LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END SLOVAPROP TMP 48ST LT-UNK POLYETHER POLYOL LT-UNK ALUMINA TRIHYDRATE BM-2] MASTERSEAL TC275 PART A [QUARTZ LT-1 | CAN CASTOR OIL, POLYMER Not Screened BARIUM SULFATE BM-2 | CAN 1-PHENOXY-2-PROPANOL LT-UNK AROMATIC NAPHTHA, TYPE 1, SHOWN TO CONTAIN LESS THAN 0,1 % W/W BENZENE LT-P1 | MAM | END | MUL PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA) LT-UNK 1-PROPANOL, 2-PHENOXY- NoGS DIISOBUTYL KETONE LT-UNK IRON OXIDE BM-1 | CAN

Number of Greenscreen BM-4/BM3 contents ... 1

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities above the threshold are included. MasterSeal Traffic 2500 has been screened to the International Living Futures Institute Red List (effective July 2019). The product does not contain any current red list substances except for the unintentional impurity of chlorobenzene which exists prior to blending of up to 18 ppm.

4,6-DIMETHYLHEPTAN-2-ONE NoGS HYDROTREATED HEAVY NAPHTHA (PETROLEUM) BM-1 | PBT | MAM | GEN | CAN | MUL DIPOTASSIUM OXIDE LT-UNK SILICIC ACID, ALUMINUM POTASSIUM SODIUM SALT LT-UNK CALCIUM OXIDE LT-P1 SODIUM OXIDE LT-UNK ALUMINUM OXIDE BM-2 | RES TITANIUM DIOXIDE LT-1 | CAN | END SILANE, DICHLORODIMETHYL-, REACTION PRODUCTS WITH SILICA LT-UNK WATER BM-4] MASTERSEAL TC275 PART B [1,5-BIS((CHLOROCARBONYL)OXY)-3-OXAPENTANE LT-P1 | AQU | SKI | EYE | MUL] MASTERSEAL P255 PART A [CASTOR OIL NoGS DIPOTASSIUM OXIDE LT-UNK SODIUM OXIDE LT-UNK SILICIC ACID, ALUMINUM POTASSIUM SODIUM SALT LT-UNK DISTILLATE FUEL OILS, LIGHT BM-2 | MAM | CAN CALCIUM OXIDE LT-P1 ALUMINUM OXIDE BM-2 | RES SILICA, AMORPHOUS BM-1 | CAN]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 13 g/l Regulatory (g/l): 13 g/l
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: No

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Self Declared
VOC content: Self Declared
VOC content: VOC Content
Other: ASTM D412 Tensile Strength of Top Coat, ASTM D 4541 Adhesion of Base Coat; ASTM D 4060 Abrasion Resistance of Top Coat

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2020-06-26
PUBLISHED DATE: 2020-06-30
EXPIRY DATE: 2023-06-26



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

MASTERSEAL P255 PART B

#: 35.0000 - 40.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.

OTHER MATERIAL NOTES: The MasterSeal P255 primer is a two-component mixture of Part A and Part B. The combined mixture is represented in the weight percentage.

METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)

ID: 101-68-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-06-26

#: 50.0000 - 75.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Tensile strength additive

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

POLYMERIC MDI (PMDI)

ID: 9016-87-9

%: **25.0000 - 50.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC**ID: **26447-40-5**%: **7.0000 - 15.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Monomer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH _-HYDRO-_HYDROXPOLY(OXY-1,2-ETHANEDIYL)**ID: **57636-09-6**%: **1.0000 - 3.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

4,4'-MDI DIMER

ID: 17589-24-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.3000 - 1.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Intermediate**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

MASTERSEAL M265 PART A

#: **35.0000 - 40.0000**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.

OTHER MATERIAL NOTES: The MasterSeal M265 basecoat is a two-component mixture of Part A and Part B. The combined mixture is represented in the weight percentage.

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **50.0000 - 60.0000**GS: **BM-3dg**RC: **None**NANO: **No**SUBSTANCE ROLE: **Plasticizer**

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

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****DIETHYLTOLUENEDIAMINE**

ID: 68479-98-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **25.0000 - 50.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****MASTERSEAL M265 PART B**%: **35.0000 - 40.0000**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Polymeric Material**RESIDUALS AND IMPURITIES NOTES: **The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.**OTHER MATERIAL NOTES: **The MasterSeal P255 primer is a two-component mixture of Part A and Part B. The combined mixture is represented in the weight percentage.****POLY[OXY(METHYL-1,2-ETHANEDIYL)], _-HYDRO_-HYDROXY-, POLYMER WITH 5-ISOCYANATO-1-(ISOCYANATOMETHYL) -1,3,3-TRIMETHYLCYCLOHEXANE**

ID: 39323-37-0

%: **90.0000 - 95.0000**GS: **LT-UNK**RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****ISOPHORONE DIISOCYANATE (I{PDI)**ID: **4098-71-9**%: **1.0000 - 5.0000**GS: **LT-P1**RC: **None** NANO: **No** SUBSTANCE ROLE: **Activator**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

CHRON AQUATIC

EU - GHS (H-Statements)

H411 - Toxic to aquatic life with long lasting effects

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

MAMMALIAN

EU - GHS (H-Statements)

H331 - Toxic if inhaled

RESPIRATORY

EU - GHS (H-Statements)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES: **The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.****DISTILLATE FUEL OILS, LIGHT**ID: **64742-47-8**%: **0.1000 - 2.0000**GS: **BM-2**RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

SILOXANES AND SILICONES, DI-ME, ME HYDROGEN, REACTION PRODUCTS WITH POLYPROPYLENE GLYCOL MONOALLYL ETHER

ID: 68957-00-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.0100 - 0.0800**

GS: **LT-UNK**

RC:

None

NANO:

No

SUBSTANCE ROLE:

Residual

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.0000 - 7.0000**

GS: **LT-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

Titanium dioxide is classified in the HPD Builder as a Special Condition Form-Specific Hazard. This substance appears in the product only in a form not associated with the hazard warning as it is used as a pigment.

SLOVAPROP TMP 48ST

ID: 52624-57-4

%: **0.0000 - 4.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****POLYETHER POLYOL**ID: **9082-00-2**%: **0.0000 - 4.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.****ALUMINA TRIHYDRATE**ID: **21645-51-2**%: **0.0000 - 0.5000**GS: **BM-2**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: **All residuals and impurities above the threshold are included.****MASTERSEAL TC275 PART A**%: **35.0000 - 40.0000**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Polymeric Material**RESIDUALS AND IMPURITIES NOTES: **The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.**OTHER MATERIAL NOTES: **The MasterSeal TC275 topcoat is a two-component mixture of Part A and Part B. The combined mixture is represented in the weight percentage.****QUARTZ**ID: **14808-60-7**%: **25.0000 - 40.0000**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Surface modifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

Quartz is classified in the HPD Builder as a Special Condition Form-Specific Hazard. This substance appears in the product only in a form not associated with the hazard.

CASTOR OIL, POLYMER

ID: **Not Registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **20.0000 - 70.0000**

GS: **Not Screened**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
		Hazard Screening not performed

SUBSTANCE NOTES: All residuals and impurities within the threshold are included. This substance CAS number is not included in the HPD Builder.

BARIUM SULFATE

ID: **7727-43-7**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **12.0000 - 20.0000**

GS: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **1.0000 - 3.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.

AROMATIC NAPHTHA, TYPE 1, SHOWN TO CONTAIN LESS THAN 0,1 % W/W BENZENE

ID: 64742-95-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.5000 - 2.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MAMMALIAN

EU - GHS (H-Statements)

H304 - May be fatal if swallowed and enters airways

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: All residuals and impurities within the threshold are included.

PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA)

ID: 108-65-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.5000 - 3.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Coalescent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

1-PROPANOL, 2-PHENOXY-

ID: 4169-04-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.1000 - 0.8000**GS: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Coalescent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

DIISOBUTYL KETONE

ID: 108-83-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.1000 - 1.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

IRON OXIDE

ID: 1317-61-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.1000 - 8.0000**GS: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

4,6-DIMETHYLHEPTAN-2-ONE

ID: 19549-80-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.1000 - 0.5000**GS: **NoGS**RC: **None**NANO: **No**SUBSTANCE ROLE: **Dispersant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

HYDROTREATED HEAVY NAPHTHA (PETROLEUM)

ID: 64742-48-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.0100 - 0.0500**GS: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	GHS - Australia	H340 - May cause genetic defects
CANCER	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: All residuals and impurities within the threshold are reported.

DIPOTASSIUM OXIDE

ID: 12136-45-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.0000 - 2.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Activator**

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

SILICIC ACID, ALUMINUM POTASSIUM SODIUM SALT

ID: 12736-96-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.0000 - 5.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

CALCIUM OXIDE

ID: 1305-78-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.0000 - 3.0000**GS: **LT-P1**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: **All residuals and impurities above the threshold are included.****SODIUM OXIDE**

ID: 1313-59-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.0000 - 3.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****ALUMINUM OXIDE**

ID: 1344-28-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.0000 - 3.0000**GS: **BM-2**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagens (Rs) - sensitizer-induced

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-06-26**%: **0.0000 - 10.0000**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

SILANE, DICHLORODIMETHYL-, REACTION PRODUCTS WITH SILICA

ID: 68611-44-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.0000 - 0.5000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Carrier**

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

MASTERSEAL TC275 PART B

#: **35.0000 - 40.0000**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.

OTHER MATERIAL NOTES: The MasterSeal TC275 topcoat is a two-component mixture of Part A and Part B. The combined mixture is represented in the weight percentage.

1,5-BIS((CHLOROCARBONYL)OXY)-3-OXAPENTANE

ID: 106-75-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **1.0000 - 3.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

MASTERSEAL P255 PART A

#: **25.0000 - 30.0000**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: The assessment including residuals and impurities has verified all hazard classifications are conducted within the provisions of North American countries' regulatory requirements.

OTHER MATERIAL NOTES: The MasterSeal P255 primer is a two-component mixture of Part A and Part B. The combined mixture is represented in the weight percentage.

CASTOR OIL

ID: 8001-79-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **25.0000 - 30.0000**

GS: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

DIPOTASSIUM OXIDE

ID: 12136-45-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.2000 - 1.0000**

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: All residuals and impurities above the threshold are included.

SODIUM OXIDE

ID: 1313-59-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.1000 - 1.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

SILICIC ACID, ALUMINUM POTASSIUM SODIUM SALT

ID: 12736-96-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.0000 - 5.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Activator**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

DISTILLATE FUEL OILS, LIGHT

ID: 64742-47-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.0000 - 3.0000**

GS: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Carrier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MAMMALIAN

EU - GHS (H-Statements)

H304 - May be fatal if swallowed and enters airways

CANCER

MAK

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

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

CALCIUM OXIDE

ID: 1305-78-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

#: **0.0000 - 0.2000**

GS: **LT-P1**

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: All residuals and impurities above the threshold are included.

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

?: **0.0000 - 3.0000**

GS: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

SILICA, AMORPHOUS

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-06-26**

?: **0.0000 - 4.0000**

GS: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

GHS - Japan

Carcinogenicity - Category 1A [H350]

CANCER

GHS - Australia

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: All residuals and impurities above the threshold are included.

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

Self Declared

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2018-

EXPIRY DATE:

CERTIFIER OR LAB: Internal

APPLICABLE FACILITIES: Shakopee, MN

01-02

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Internal evaluation completed for VOC emissions

VOC CONTENT

Self Declared

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2018-

EXPIRY DATE:

CERTIFIER OR LAB: Internal

APPLICABLE FACILITIES: Shakopee, MN

01-02

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Internal review of VOC content

VOC CONTENT

VOC Content

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2019-

EXPIRY DATE:

CERTIFIER OR LAB: Internal

APPLICABLE FACILITIES: Brighton, CO

01-20

review

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: The results are self-declared based on internal evaluation. VOC CONTENT • MasterSeal P 255 Part A: 10 g/L less water and exempt solvents, when components are mixed • MasterSeal P 255 Part B: 10 g/L less water and exempt solvents, when components are mixed • MasterSeal M 265 Part A: 4 g/L less water and exempt solvents, when components are mixed • MasterSeal M 265 Part B: 5 g/L less water and exempt solvents, when components are mixed • MasterSeal TC 275 Part A: 71 g/L less water and exempt solvents, when components are mixed • MasterSeal TC 275 Part B: 13 g/L less water and exempt solvents, when components are mixed • MasterSeal TC 295 Part A: 0 g/L less water and exempt solvents when components are mixed • MasterSeal TC 295 Part B: 5 g/L less water and exempt solvents when components are mixed

OTHER

ASTM D412 Tensile Strength of Top Coat, ASTM D 4541 Adhesion of Base Coat; ASTM D 4060 Abrasion Resistance of Top Coat

CERTIFYING PARTY: Third Party

ISSUE DATE: 2018-

EXPIRY DATE: 2023-

CERTIFIER OR LAB: Sealant

APPLICABLE FACILITIES: Brighton, CO

03-01

02-28

Waterproofing & Restoration

CERTIFICATE URL: <https://www.swrionline.org>

Institute

CERTIFICATION AND COMPLIANCE NOTES: Certification No. MST2500223. ASTM D 412 applies to MasterSeal TC 275 and MasterSeal TC 295 ASTM D 4541 applies to MasterSeal M 265 with Primer P 255 ASTM D4060 applies to MasterSeal TC 275 and MasterSeal 295

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

Additional product information and solutions can be found at: <https://www.master-builders-solutions.basf.us/en-us/architects-and-designers>



MANUFACTURER INFORMATION

MANUFACTURER: **Master Builders Solutions**

ADDRESS: **23700 Chagrin Blvd**

Beachwood OH 44145, USA

WEBSITE: **https://www.master-builders-solutions.basf.us/en-us**

CONTACT NAME: **David Green**

TITLE: **Manager Sustainability**

PHONE: **216-839-7803**

EMAIL: **david.r.green@basf.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

