

HPD UNIQUE IDENTIFIER: 21720

CLASSIFICATION: 07 18 00 Traffic Coatings

PRODUCT DESCRIPTION: This HPD covers the entire MasterSeal Traffic 1500 polyurethane waterproofing, traffic-bearing membrane system for vehicular and pedestrian areas - including all colors. One of the most critical challenges facing structures today is moisture penetration. Protect your structure with MasterSeal Traffic 1500 which is ideal for stadiums, parking structures, balconies, and any structure with plywood decks, exposed concrete stairs or walkways. 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 4 of 4 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 M 200 SLV, M200 SLOPE, M205 [OXIRANE, 2-METHYL-, POLYMER Not Screened LIMESTONE LT-UNK TALC BM-1 | CAN STODDARD SOLVENT LT-1 | MAM | GEN | CAN | MUL CALCIUM SULFATE LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END M-CRESOL, 4,4'-BUTYLIDENE BIS(6-TERT-BUTYL- LT-P1 | END 2,6-TOLUENE DIISOCYANATE (2,6 TDI) LT-1 | CAN | MUL | SKI | EYE | MAM | RES 2-[2-(PROPAN-2-YL)-1,3-OXAZOLIDIN-3-YL]ETHANOL NoGS GAMMA-GLYCIDOPROPYLTRIMETHOXYSILANE LT-P1 | MUL DIETHYL MALONATE LT-UNK TOLUENE 2,4-DIISOCYANATE LT-1 | RES | CAN | MUL | SKI | EYE | MAM SILICON DIOXIDE BM-1 | CAN DIBUTYLTIN DILAURATE LT-1 | GEN | REP | MAM | MUL | END | CAN | DEV POLYSORBATE 40 LT-UNK] MASTERSEAL 941, 941 DR, 945 [QUARTZ LT-1 | CAN SILICA GEL LT-UNK MAGNESIUM OXIDE LT-UNK | CAN FERRIC OXIDE BM-1 | CAN ALUMINUM OXIDE BM-2 | RES CALCIUM OXIDE (POST-CONSUMER) LT-1 | CAN DICHRONIUM TRIOXIDE BM-1 | SKI] MASTERSEAL TC [POLYMER Not Screened STODDARD SOLVENT LT-1 | MAM | GEN | CAN | MUL TALC BM-1 | CAN 1-CHLORO-4-(TRIFLUOROMETHYL)BENZENE LT-P1 | CAN | MUL POLYPROPYLENE GLYCOL LT-UNK METHYLENE BIS(4-CYCLOHEXYLISOCYANATE) LT-P1 | SKI | EYE | MAM | RES CALCIUM SULFATE LT-UNK LIMESTONE LT-UNK HYDROCINNAMIC ACID, 3,5-DI-T-BUTYL-4-HYDROXY-, OCTADECYL ESTER LT-P1 SILICON DIOXIDE BM-1 | CAN 2-(2H-BENZOTRIAZOL-2-YL)-4,6-DI-TERT-PENTYLPHENOL LT-1 |

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:

All residuals and impurities above the threshold are included.

PBT | MUL TITANIUM DIOXIDE LT-1 | CAN | END TITANIUM DIOXIDE LT-1 | CAN | END DECANEDIOIC ACID, 1,10-BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER BM-1 | PBT | MUL CARBON BLACK BM-1 | CAN DIETHYL MALONATE LT-UNK FERRIC OXIDE, YELLOW LT-UNK DIBUTYL TIN DILAURATE LT-1 | GEN | REP | MAM | MUL | END | CAN | DEV FERRIC OXIDE BM-1 | CAN SLOVAPROP TMP 48ST LT-UNK POLYOXYETHYLENE (12) POLYOXYPROPYLENE (66) GLYCERYL ETHER LT-UNK METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE LT-P1 | MUL ALUMINUM HYDROXIDE, DRIED BM-2] MASTERSEAL P220, P222 [BISPHENOL A EPICHLOROHYDRIN POLYMER LT-P1 | AQU | SKI | EYE | MUL POLYMETHYLENE POLYPHENYL ISOCYANATE LT-UNK | RES | MUL | CAN NITROETHANE LT-P1 | MUL XYLENES BM-1 | SKI | END | MUL | REP ACRYLIC POLYMER Not Screened 4,4'-DIPHENYLMETHANE DIISOCYANATE LT-UNK | RES | MUL | SKI | EYE | CAN 3-BENZOYLOXY-2,2,4-TRIMETHYLPENTYL ISOBUTYRATE LT-UNK METHYL ETHYL KETONE LT-P1 | PHY | EYE | END 1-NITROPROPANE LT-UNK DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC LT-UNK | MUL | SKI | EYE | RES | CAN ETHYLBENZENE BM-1 | CAN | PHY | MAM | END | SKI | REP]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 209 g/l Regulatory (g/l): 209 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: VOC Content

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-09-10

PUBLISHED DATE: 2020-09-15

EXPIRY DATE: 2023-09-10



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

MASTERSEAL M 200 SLV, M200 SLOPE, M205 %: 30.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities above the threshold are included for evaluation.

OTHER MATERIAL NOTES: Additional product information is available at:

<https://www.master-builders-solutions.com/en-us/architects-and-designers>

OXIRANE, 2-METHYL-, POLYMER

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-09-10

%: 50.0000 GS: Not Screened RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
Hazard Screening not performed		

SUBSTANCE NOTES: MasterSeal M products are base coatings

LIMESTONE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-09-10

%: 14.0000 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: The MasterSeal M products are base coatings

TALC

ID: 14807-96-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2020-09-10

%: 9.0000 GS: BM-1 RC: None NANO: No SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The MasterSeal M products are base coatings

STODDARD SOLVENT

ID: 8052-41-3

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

HAZARD SCREENING DATE: **2020-09-10**

#: **4.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Diluent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
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	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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 - Malaysia	H340 - May cause genetic defects
CANCER	GHS - Malaysia	H350 - May cause cancer
GENE MUTATION	GHS - Australia	H340 - May cause genetic defects
CANCER	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: The MasterSeal M Products are base coatings

CALCIUM SULFATE

ID: 7778-18-9

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

HAZARD SCREENING DATE: **2020-09-10**

#: **2.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The MasterSeal M products are base coatings

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-10

#: 1.0000 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: The MasterSeam M products are base coatings

M-CRESOL, 4,4'-BUTYLIDENE BIS(6-TERT-BUTYL-

ID: 85-60-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-10

#: 0.7000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Activator

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: The MasterSeal M products are base coatings

2,6-TOLUENE DIISOCYANATE (2,6 TDI)

ID: 91-08-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-10

#: 0.7000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
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
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
RESPIRATORY	MAK	Sensitizing Substance Sa - Danger of airway sensitization
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES: The MasterSeal M products are base coatings

2-[2-(PROPAN-2-YL)-1,3-OXAZOLIDIN-3-YL]ETHANOL

ID: 28770-01-6

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

HAZARD SCREENING DATE: **2020-09-10**

#: **0.6000**

GS: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Adhesive**

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

SUBSTANCE NOTES: The MasterSeal M products are base coatings

GAMMA-GLYCIDOPROPYLTRIMETHOXYSILANE

ID: 2530-83-8

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

HAZARD SCREENING DATE: **2020-09-10**

#: **0.3000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: The MasterSeal M products are base coatings

DIETHYL MALONATE

ID: 105-53-3

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

HAZARD SCREENING DATE: **2020-09-10**

#: **0.2500** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Odor agent**

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

SUBSTANCE NOTES: MasterSeal M products are base coatings

TOLUENE 2,4-DIISOCYANATE

ID: 584-84-9

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

HAZARD SCREENING DATE: **2020-09-10**

#: **0.2000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
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
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
RESPIRATORY	MAK	Sensitizing Substance Sa - Danger of airway sensitization
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES: The MasterSeal M products are base coatings

SILICON DIOXIDE

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**

%: 0.1000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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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: MasterSeal M products are base coatings

DIBUTYLTIN DILAURATE

ID: 77-58-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**

%: 0.1000	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Adhesive
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
DEVELOPMENTAL	MAK	Pregnancy Risk Group B
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
REPRODUCTIVE	GHS - Australia	H360Fd - May damage fertility. Suspected of damaging the unborn child

SUBSTANCE NOTES: The MasterSeal M products are base coatings

POLYSORBATE 40

ID: 9005-66-7

%: **0.1000**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: **MasterSeal M products are base coatings****MASTERSEAL 941, 941 DR, 945** %: **25.0000**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Geologically Derived Material**RESIDUALS AND IMPURITIES NOTES: **All residuals and impurities above the threshold are included.**OTHER MATERIAL NOTES: **Additional product information is available at:**<https://www.master-builders-solutions.com/en-us/architects-and-designers>**QUARTZ**ID: **14808-60-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **50.0000**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Filler**

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: **MasterSeal 9 series is used as sealer****SILICA GEL**ID: **112926-00-8**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **30.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Adsorbent**

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

SUBSTANCE NOTES: MasterSeal 9 series is used as sealer

MAGNESIUM OXIDE

ID: 1309-48-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10	
%: 30.0000	GS: LT-UNK	RC: None	NANO: No SUBSTANCE ROLE: Adsorbent

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

SUBSTANCE NOTES: MasterSeal 9 series is used as sealer

FERRIC OXIDE

ID: 1309-37-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10	
%: 15.0000	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: MasterSeal 9 series is used as sealer

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10	
%: 1.0000	GS: BM-2	RC: None	NANO: No SUBSTANCE ROLE: Flame retardant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagens (Rs) - sensitizer-induced

SUBSTANCE NOTES: MasterSeal 9 series is used as sealer

CALCIUM OXIDE (POST-CONSUMER)

ID: 1305-78-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10	
%: 0.7000	GS: LT-1	RC: None	NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
SUBSTANCE NOTES:		

DICHRONIUM TRIOXIDE

ID: 1308-38-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10		
%: 0.1000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization		
SUBSTANCE NOTES:				

MASTERSEAL TC

%: 5.0000

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: All residuals and impurities above the threshold are included		
OTHER MATERIAL NOTES: Additional product information is available at:		
https://www.master-builders-solutions.com/en-us/architects-and-designers		

POLYMER

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10		
%: 47.0000	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
Hazard Screening not performed				
SUBSTANCE NOTES: The MasterSeal TC products are a top coating				

STODDARD SOLVENT

ID: 8052-41-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10		
%: 20.0000	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Diluent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
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	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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 - Malaysia	H340 - May cause genetic defects
CANCER	GHS - Malaysia	H350 - May cause cancer
GENE MUTATION	GHS - Australia	H340 - May cause genetic defects
CANCER	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: MasterSeal TC products are top coatings

TALC

ID: 14807-96-6

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

HAZARD SCREENING DATE: **2020-09-10**

#: **11.0000**

GS: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: MasterSeal TC products are top coatings

1-CHLORO-4-(TRIFLUOROMETHYL)BENZENE

ID: 98-56-6

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

HAZARD SCREENING DATE: **2020-09-10**

#: **9.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: MasterSeal TC products are top coatings

POLYPROPYLENE GLYCOL

ID: 25322-69-4

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

HAZARD SCREENING DATE: **2020-09-10**

#: **8.0000** GS: **LT-UNK** 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: MasterSeal TC products are top coatings

METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)

ID: 5124-30-1

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

HAZARD SCREENING DATE: **2020-09-10**

#: **7.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	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
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

SUBSTANCE NOTES: MasterSeal TC products are top coatings

CALCIUM SULFATE

ID: 7778-18-9

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

HAZARD SCREENING DATE: **2020-09-10**

#: **5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

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

SUBSTANCE NOTES: MasterSeal TC products are top coatings

LIMESTONE

ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **2.5000**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: MasterSeal TC products are top coatings

HYDROCINNAMIC ACID, 3,5-DI-T-BUTYL-4-HYDROXY-, OCTADECYL ESTER

ID: 2082-79-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **0.9000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: MasterSeal TC products are top coatings

SILICON DIOXIDE

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **0.8000**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: MasterSeal TC products are top coatings

2-(2H-BENZOTRIAZOL-2-YL)-4,6-DI-TERT-PENTYLPHENOL

ID: 25973-55-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **0.5000**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	EU - SVHC Authorisation List	PBT - Candidate list
PBT	EU - SVHC Authorisation List	PBT - Prioritized for listing
PBT	EU - SVHC Authorisation List	PBT - Banned unless Authorised
PBT	EU - SVHC Authorisation List	vPvB - Candidate list
PBT	EU - SVHC Authorisation List	vPvB - Prioritized for listing
PBT	EU - SVHC Authorisation List	vPvB - Banned unless Authorised
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)
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: MasterSeal TC products are top coatings

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-10

#: 0.5000 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: MasterSeal TC products are top coatings

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-10

#: 0.4000 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: MasterSeal TC products are top coatings

DECANEDIOIC ACID, 1,10-BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER

ID: 41556-26-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10		
%: 0.3500	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		

SUBSTANCE NOTES: MasterSeal TC products are top coatings

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-09-10		
%: 0.3000	GS: BM-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		
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		

SUBSTANCE NOTES: MasterSeal TC products are top coatings

DIETHYL MALONATE

ID: 105-53-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **0.2500**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Odor agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **MasterSeal TC products are top coatings****FERRIC OXIDE, YELLOW**

ID: 51274-00-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **0.2500**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: **MasterSeal TC products are top coatings****DIBUTYLTIN DILAURATE**

ID: 77-58-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**%: **0.2000**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
DEVELOPMENTAL	MAK	Pregnancy Risk Group B
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
REPRODUCTIVE	GHS - Australia	H360Fd - May damage fertility. Suspected of damaging the unborn child

SUBSTANCE NOTES: MasterSeal TC products are top coatings

FERRIC OXIDE

ID: 1309-37-1

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

HAZARD SCREENING DATE: **2020-09-10**

#: **0.2000**

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: MasterSeal TC products are top coatings

SLOVAPROP TMP 48ST

ID: 52624-57-4

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

HAZARD SCREENING DATE: **2020-09-10**

#: **0.2000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: MasterSeal TC products are top coatings

POLYOXYETHYLENE (12) POLYOXYPROPYLENE (66) GLYCERYL ETHER

ID: 9082-00-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-10

#: 0.1000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: MasterSeal TC products are top coatings

METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE

ID: 82919-37-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-10

#: 0.1000	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES: MasterSeal TC products are top coatings

ALUMINUM HYDROXIDE, DRIED

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-09-10

#: 0.1000	GS: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Flame retardant
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: MasterSeal TC products are top coatings

MASTERSEAL P220, P222

#: 5.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities above the threshold are included.

BISPHENOL A EPICHLOROHYDRIN POLYMER

ID: 25068-38-6

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

HAZARD SCREENING DATE: **2020-09-10**

#: **35.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

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
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: The MasterSeal P products are primers

POLYMETHYLENE POLYPHENYL ISOCYANATE

ID: 9016-87-9

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

HAZARD SCREENING DATE: **2020-09-10**

#: **20.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagen	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: The MasterSeal P products are primers

NITROETHANE

ID: 79-24-3

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

HAZARD SCREENING DATE: **2020-09-10**

#: **15.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: The MasterSeal P products are primers

XYLENES

ID: 1330-20-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**

%: 15.0000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES: The MasterSeal P products are primers

ACRYLIC POLYMERID: **Not Registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**

%: 15.0000	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES: The MasterSeal P products are primers

4,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 101-68-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**

%: 12.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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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: The MasterSeal P products are primers.

3-BENZOYLOXY-2,2,4-TRIMETHYLPENTYL ISOBUTYRATE

ID: 22527-63-5

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

HAZARD SCREENING DATE: **2020-09-10**

#: **12.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Adhesive**

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

SUBSTANCE NOTES: The MasterSeal P products are primers.

METHYL ETHYL KETONE

ID: 78-93-3

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

HAZARD SCREENING DATE: **2020-09-10**

#: **12.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: The MasterSeal P products are primers.

1-NITROPROPANE

ID: 108-03-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**

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

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The MasterSeal P products are primers.

DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC

ID: 26447-40-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**

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

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: The MasterSeal P products are primers.

ETHYLBENZENE

ID: 100-41-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-10**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1A [H360]
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES: The MasterSeal P products are primers.

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: **Master Builders Solutions facilities**

01-02

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Internal evaluation completed for VOC content. Emissions testing under consideration.**

VOC CONTENT

VOC Content

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2014-**

EXPIRY DATE:

CERTIFIER OR LAB: **Internal**

APPLICABLE FACILITIES: **Master Builders Solutions facilities**

01-04

review

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **The results are self-declared based on internal evaluation. VOC CONTENT • MasterSeal P 220: 400 g/L less water and exempt solvents • MasterSeal P 222: 335 g/L less water and exempt solvents • MasterSeal M 200: 203 g/L less water and exempt solvents • MasterSeal M 205: 98 g/L less water and exempt solvents • MasterSeal TC 225: 209 g/L less water and exempt solvents**

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 44122, USA

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

CONTACT NAME: **David Green**

TITLE: **Manager Sustainability**

PHONE: **216-839-7803**

EMAIL: **david.green@mbcc-group.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

