

HPD UNIQUE IDENTIFIER: 20901

CLASSIFICATION: 09 67 23

PRODUCT DESCRIPTION: This HPD covers the entire MasterTop 1215 AHS system including colored solutions. MasterTop 1215AHS is a specially formulated epoxy and polyurethane coating system that forms a tough, UV-stable, abrasion-resistant flooring system specifically for use in aircraft hangars. 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**

**MASTERTOP TC 493 PT A [ PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA) LT-UNK UNDISCLOSED Not Screened BUTYL ACETATE LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END XYLENES BM-1 | SKI | END | MUL | REP ETHYLBENZENE BM-1 | CAN | PHY | MAM | END | SKI | REP SILICA, AMORPHOUS BM-1 | CAN HEXANEDIOIC ACID, POLYMER WITH 2-ETHYLHEXANOIC ACID, 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL AND 1,3-ISOBENZOFURANDIONE LT-UNK 2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH 2-ETHYLHEXYL 2-PROPENOATE LT-UNK ALUMINA TRIHYDRATE BM-2 FERRIC OXIDE YELLOW LT-UNK CARBON BLACK BM-1 | CAN AROMATIC NAPHTHA, TYPE 1 LT-1 | MAM | GEN | CAN | MUL | END LITHIUM CHLORIDE LT-P1 | END N-METHYLPYRROLIDONE BM-1 | DEL | REP | SKI | EYE | MUL | END FERRIC OXIDE BM-1 | CAN SEC-BUTYL ALCOHOL LT-UNK | EYE ] MASTERTOP GP 500 PT A [ EPICHLOROHYDRIN-BISPHENOL A RESIN LT-P1 | AQU | SKI | EYE | MUL ALKYL (C12, C14) GLYCIDYL ETHER LT-P1 | SKI | MUL ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK PHENOL, 2-(2H-BENZOTRIAZOL-2-YL)-6-DODECYL-4-METHYL-, BRANCHED AND LINEAR LT-P1 | MUL 2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH 2-ETHYLHEXYL 2-PROPENOATE LT-UNK XYLENES BM-1 | SKI | END | MUL | REP DISTILLATE FUEL OILS, LIGHT BM-2 | MAM | CAN TITANATE(2-), TETRAKIS[2,2-BIS[(2-PROPENYLOXY) METHYL]-1-BUTANOLATO-O1]BIS(DITRIDECYL PHOSPHITO-O"-), DIHYDROGEN LT-UNK ] UNDISCLOSED [ FERRIC OXIDE YELLOW LT-UNK 3H-PYRAZOL-3-ONE, 4,4'-[[3,3'-DICHLORO[1,1'- BIPHENYL]-4,4'-DIYL)BIS(AZO)]BIS[2,4-**

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.

DIHYDRO-5-METHYL -2-(4-METHYLPHENYL)- LT-P1 | MUL CARBON BLACK BM-1 | CAN 2-NAPHTHALENECARBOXYLIC ACID, 4-((5-CHLORO-4-METHYL-2-SULFOPHENYL)AZO)-3-HYDROXY-, CALCIUM SALT (1:1) (9CI) LT-UNK BARIUM SULFATE BM-2 | CAN KAOLIN CLAY LT-UNK | CAN PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA) LT-UNK IRON OXIDE BM-1 | CAN COPPER, [C-CHLORO-29H,31H-PHTHALOCYANINATO( 2-)-N29,N30,N31,N32]- LT-UNK BISPHENOL A DIGLYCIDYL ETHER (BADGE) LT-P1 | END TITANIUM DIOXIDE LT-1 | CAN | END OXIRANE, 2-((2-METHYLPHENOXY)METHYL)- LT-P1 | AQU | SKI | GEN | MUL C.I. PIGMENT BLUE 15 BM-3 PHTHALOCYANINE GREEN LT-UNK 2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(2-METHYLPHENYL)-3-OXOBUTYRAMIDE) LT-P1 | MUL 1H-ISOINDOLE-1,3(2H)-DIONE, 4,5,6,7-TETRACHLORO-2-[2- (4,5,6,7-TETRACHLORO-2,3-DIHYDRO-1,3-DIOXO-1H-INDEN -2-YL)-8-QUINOLINYL]- LT-UNK FERRIC OXIDE BM-1 | CAN 5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE LT-UNK SILICA, AMORPHOUS BM-1 | CAN ALUMINA TRIHYDRATE BM-2 ] UNDISCLOSED [ DIAMINOPOLYPROPYLENE GLYCOL LT-P1 | MUL 4-NONYLPHENOL (BRANCHED) LT-1 | PBT | END | MUL | AQU | SKI | REP | DEL N-(2-AMINOETHYL)PIPERAZINE LT-P1 | SKI | MUL ] MASTERTOP BC HT PT B [ BENZYL ALCOHOL BM-2 UNDISCLOSED NoGS TRIMETHYLHEXAMETHYLENEDIAMINE LT-P1 | MUL 1,4-BIS(AMINOCYCLOHEXYL)METHANE LT-P1 | MUL BUTYLPHEN LT-1 | END | AQU | SKI | EYE | REP | MUL M-XYLENE-ALPHA,ALPHA'-DIAMINE LT-P1 | MUL | SKI ] MASTERTOP TC 493 PT B [ HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER LT-P1 HEXAMETHYLENE DIISOCYANATE LT-UNK | RES | SKI | EYE | MAM ]

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 374 g/l Regulatory (g/l): 374 g/l  
Does the product contain exempt VOCs: Yes  
Are ultra-low VOC tints available: No

### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario  
VOC content: Product Information Statement for LEED® v. 4 Credit Documentation

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-05-07

PUBLISHED DATE: 2020-06-30

EXPIRY DATE: 2023-05-07



## 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](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### MASTERTOP TC 493 PT A

%: 40.0000 - 45.0000

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 and solutions can be found at:

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

### PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA)

ID: 108-65-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-07

%: 20.0000 - 35.0000

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.

### UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-07

%: 15.0000 - 35.0000

GS: Not Screened

RC: None

NANO: No

SUBSTANCE ROLE: Activator

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

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

### BUTYL ACETATE

ID: 123-86-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-07

%: 5.0000 - 15.0000

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.

## TITANIUM DIOXIDE

ID: 13463-67-7

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

HAZARD SCREENING DATE: **2020-05-07**

#: **4.0000 - 30.0000** 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.

## XYLENES

ID: 1330-20-7

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.1000 - 0.5000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

| 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: All residuals and impurities above the threshold are included.

## ETHYLBENZENE

ID: 100-41-4

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.1000 - 0.3000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

| 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: 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: **2020-05-07**

#: **0.1000 - 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.

## HEXANEDIOIC ACID, POLYMER WITH 2-ETHYLHEXANOIC ACID, 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL AND 1,3-ISOBENZOFURANDIONE

ID: 67815-82-1

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.0000 - 15.0000**

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.

## 2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH 2-ETHYLHEXYL 2-PROPENOATE

ID: 26376-86-3

%: **0.0000 - 1.0000**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.****ALUMINA TRIHYDRATE**ID: **21645-51-2**%: **0.0000 - 4.0000**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.****FERRIC OXIDE YELLOW**ID: **51274-00-1**%: **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.****CARBON BLACK**ID: **1333-86-4**%: **0.0000 - 0.8000**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: **All residuals and impurities above the threshold are included.**

**AROMATIC NAPHTHA, TYPE 1**

ID: 64742-95-6

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

HAZARD SCREENING DATE: **2020-05-07**

?: **0.0000 - 0.5000**

GS: **LT-1**

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  |
| 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   |
| ENDOCRINE     | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor  |
| MULTIPLE      | German FEA - Substances Hazardous to Waters | Class 3 - Severe 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 - Australia                             | H340 - May cause genetic defects   |
| CANCER        | GHS - Australia                             | H350 - May cause cancer  |

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

**LITHIUM CHLORIDE**

ID: 7447-41-8

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

HAZARD SCREENING DATE: **2020-05-07**

?: **0.0000 - 0.3000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Desiccant**

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

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

**N-METHYLPYRROLIDONE**

ID: 872-50-4

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

HAZARD SCREENING DATE: **2020-05-07**

?: **0.0000 - 0.8000**

GS: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Solvent**

| HAZARD TYPE     | AGENCY AND LIST TITLES                | WARNINGS   |
|-----------------|---------------------------------------|--|
| DEVELOPMENTAL   | CA EPA - Prop 65                      | Developmental toxicity   |
| REPRODUCTIVE    | EU - SVHC Authorisation List          | Toxic to reproduction - Candidate list   |
| REPRODUCTIVE    | EU - SVHC Authorisation List          | Toxic to reproduction - Prioritized for listing  |
| SKIN IRRITATION | EU - GHS (H-Statements)               | H315 - Causes skin irritation  |
| EYE IRRITATION  | EU - GHS (H-Statements)               | H319 - Causes serious eye irritation   |
| DEVELOPMENTAL   | EU - GHS (H-Statements)               | H360D - May damage the unborn child  |
| 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       | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor  |
| RESTRICTED LIST | US EPA - PPT Chemical Action Plans    | TSCA Work Plan chemical - ongoing chemical (risk) assessment   |
| REPRODUCTIVE    | GHS - Korea                           | Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]   |
| REPRODUCTIVE    | GHS - New Zealand                     | 6.8A - Known or presumed human reproductive or developmental toxicants   |
| REPRODUCTIVE    | GHS - Japan                           | Toxic to reproduction - Category 1A [H360]   |
| REPRODUCTIVE    | GHS - Japan                           | Toxic to reproduction - Category 1B [H360]   |
| REPRODUCTIVE    | EU - Annex VI CMRs                    | Reproductive Toxicity - Category 1B  |
| DEVELOPMENTAL   | GHS - Australia                       | H360D - May damage the unborn child  |

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

## FERRIC OXIDE

ID: 1309-37-1

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.0000 - 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.

## SEC-BUTYL ALCOHOL

ID: 78-92-2

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

HAZARD SCREENING DATE: **2020-05-07**



%: 0.0000 - 0.8000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Solvent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

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

### MASTERTOP GP 500 PT A

%: 20.0000 - 22.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities included in the threshold

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

### EPICHLOROHYDRIN-BISPHENOL A RESIN

ID: 25068-38-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-07

%: 75.0000 - 90.0000

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

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: All residuals and impurities above the threshold are included.

### ALKYL (C12, C14) GLYCIDYL ETHER

ID: 68609-97-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-07

%: 5.0000 - 10.0000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Monomer

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

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

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

### ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE

ID: 28961-43-5

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

HAZARD SCREENING DATE: **2020-05-07**

#: **1.0000 - 4.0000**

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.

### PHENOL, 2-(2H-BENZOTRIAZOL-2-YL)-6-DODECYL-4-METHYL-, BRANCHED AND LINEAR

ID: 125304-04-3

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.1000 - 0.8000**

GS: **LT-P1**

RC:  
**None**

NANO:  
**No**

SUBSTANCE ROLE: **Heat or UV  
stabilizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to  
Waters

Class 2 - Hazard to Waters

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

### 2-PROPENOIC ACID, ETHYL ESTER, POLYMER WITH 2-ETHYLHEXYL 2- PROPENOATE

ID: 26376-86-3

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.0500 - 0.2500**

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.

### XYLENES

ID: 1330-20-7

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.0500 - 0.1000**

GS: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Solvent**

| 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: 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: **2020-05-07**

#: **0.0100 - 0.4000**

GS: **BM-2**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Defoamer**

| 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.

## TITANATE(2-), TETRAKIS[2,2-BIS[(2-PROPENYLOXY) METHYL]-1-BUTANOLATO-O1]BIS(DITRIDECYL PHOSPHITO-O"-), DIHYDROGEN

ID: 64157-14-8

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.0100 - 0.2500**

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: All residuals and impurities above the threshold are included.

## UNDISCLOSED

#: **20.0000 - 25.0000**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: **All residuals and impurities included in the threshold**

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

**FERRIC OXIDE YELLOW**

ID: 51274-00-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **0.0000 - 20.0000**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.

**3H-PYRAZOL-3-ONE, 4,4'-[(3,3'-DICHLORO[1,1'- BIPHENYL]-4,4'-DIYL)BIS(AZO)]BIS[2,4-DIHYDRO-5-METHYL -2-(4-METHYLPHENYL)-**

ID: 15793-73-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **0.0000 - 15.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

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

**CARBON BLACK**

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **0.0000 - 15.0000**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: All residuals and impurities above the threshold are included.

**2-NAPHTHALENECARBOXYLIC ACID, 4-((5-CHLORO-4-METHYL-2-SULFOPHENYL)AZO)-3-HYDROXY-, CALCIUM SALT (1:1) (9CI)**

ID: 7023-61-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **0.0000 - 5.0000**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.

### BARIUM SULFATE

ID: 7727-43-7

|   |  |                 |                 |                                |
|---|--|-----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2020-05-07</b> |                 |                 |                                |
| %: <b>0.0000 - 3.0000</b>   | GS: <b>BM-2</b>                          | RC: <b>None</b> | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |

| 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.

### KAOLIN CLAY

ID: 1332-58-7

|   |  |                 |                 |                                |
|---|--|-----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2020-05-07</b> |                 |                 |                                |
| %: <b>0.0000 - 3.0000</b>   | GS: <b>LT-UNK</b>                        | RC: <b>None</b> | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |

| 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.

### PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA)

ID: 108-65-6

|   |  |                 |                 |                                |
|---|--|-----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2020-05-07</b> |                 |                 |                                |
| %: <b>0.0000 - 5.0000</b>   | GS: <b>LT-UNK</b>                        | RC: <b>None</b> | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Solvent</b> |

| 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: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2020-05-07</b> |                 |                 |                                |
| %: <b>0.0000 - 5.0000</b>   | GS: <b>BM-1</b>                          | RC: <b>None</b> | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |

| 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.

**COPPER, [C-CHLORO-29H,31H-PHTHALOCYANINATO( 2-)-N29,N30,N31,N32]-**

ID: 12239-87-1

|   |  |                 |                 |                                |
|---|--|-----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2020-05-07</b> |                 |                 |                                |
| %: <b>0.0000 - 5.0000</b>   | GS: <b>LT-UNK</b>                        | RC: <b>None</b> | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |

| 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.

**BISPHENOL A DIGLYCIDYL ETHER (BADGE)**

ID: 25085-99-8

|   |  |                 |                 |                                |
|---|--|-----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2020-05-07</b> |                 |                 |                                |
| %: <b>0.0000 - 60.0000</b>  | GS: <b>LT-P1</b>                         | RC: <b>None</b> | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Monomer</b> |

| HAZARD TYPE | AGENCY AND LIST TITLES             | WARNINGS  |
|-------------|------------------------------------|---|
| ENDOCRINE   | EU - Priority Endocrine Disruptors | Category 2 - In vitro evidence of biological activity related to Endocrine Disruption |

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

**TITANIUM DIOXIDE**

ID: 13463-67-7

|   |  |                 |                 |                                |
|---|--|-----------------|-----------------|--------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2020-05-07</b> |                 |                 |                                |
| %: <b>0.0000 - 30.0000</b>  | GS: <b>LT-1</b>                          | RC: <b>None</b> | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Pigment</b> |

| 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.

### OXIRANE, 2-((2-METHYLPHENOXY)METHYL)-

ID: 2210-79-9

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.0000 - 25.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Stabilizer**

| 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             |
| GENE MUTATION   | EU - GHS (H-Statements)                     | H341 - Suspected of causing genetic defects            |
| MULTIPLE        | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                             |

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

### C.I. PIGMENT BLUE 15

ID: 147-14-8

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.0000 - 40.0000**

GS: **BM-3**

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.

### PHTHALOCYANINE GREEN

ID: 1328-53-6

%: **0.0000 - 40.0000**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.

**2,2'-((3,3'-DICHLORO(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(N-(2-M-EHYLPHENYL)-3-OXOBUTYRAMIDE)**ID: **5468-75-7**%: **0.0000 - 45.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

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

**1H-ISOINDOLE-1,3(2H)-DIONE, 4,5,6,7-TETRACHLORO-2-[2-(4,5,6,7-TETRACHLORO-2,3-DIHYDRO-1,3-DIOXO-1H-INDEN-2-YL)-8-QUINOLINYL]-**ID: **30125-47-4**%: **0.0000 - 40.0000**GS: **LT-UNK**

RC:

NANO:

SUBSTANCE ROLE:

**None****No****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.

**FERRIC OXIDE**ID: **1309-37-1**%: **0.0000 - 40.0000**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.



**5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE**

ID: 1047-16-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **0.0000 - 25.0000**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.****SILICA, AMORPHOUS**

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **0.0000 - 20.0000**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.****ALUMINA TRIHYDRATE**

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **0.0000 - 20.0000**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.****UNDISCLOSED**%: **10.0000 - 12.0000**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Polymeric Material**RESIDUALS AND IMPURITIES NOTES: **All residuals and impurities included in the threshold**OTHER MATERIAL NOTES: **Additional product information and solutions can be found at:  
<https://www.master-builders-solutions.basf.us/en-us/architects-and-designers>****DIAMINOPOLYPROPYLENE GLYCOL**

ID: 9046-10-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**

#: 50.0000 - 60.0000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Polymer species

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

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

**4-NONYLPHENOL (BRANCHED)**

ID: 84852-15-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-07

#: 25.0000 - 30.0000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Catalyst

| HAZARD TYPE     | AGENCY AND LIST TITLES                           | WARNINGS   |
|-----------------|--|--|
| PBT             | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Substance of Possible Concern  |
| ENDOCRINE       | OSPAR - Priority PBTs & EDs & equivalent concern | Endocrine Disruptor - Chemical for Priority Action   |
| RESTRICTED LIST | US EPA - PPT Chemical Action Plans               | EPA Chemical of Concern - Action Plan published  |
| RESTRICTED LIST | US EPA - PPT Chemical Action Plans               | TSCA Work Plan chemical - Action Plan in development                                       |
| 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                                |
| SKIN IRRITATION | EU - GHS (H-Statements)                          | H314 - Causes severe skin burns and eye damage   |
| REPRODUCTIVE    | EU - GHS (H-Statements)                          | H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child           |
| MULTIPLE        | ChemSec - SIN List                               | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                       |
| PBT             | ChemSec - SIN List                               | PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative) |
| 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  |
| REPRODUCTIVE    | US EPA - PPT Chemical Action Plans               | Reproductive effects   |
| CHRON AQUATIC   | US EPA - PPT Chemical Action Plans               | Highly toxic to aquatic organisms  |
| DEVELOPMENTAL   | US EPA - PPT Chemical Action Plans               | Developmental Effects  |
| ENDOCRINE       | EU - SVHC Authorisation List                     | Equivalent Concern - Candidate List  |

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

**N-(2-AMINOETHYL)PIPERAZINE**

ID: 140-31-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **10.0000 - 20.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Curing agent**

| HAZARD TYPE     | AGENCY AND LIST TITLES                      | WARNINGS                                       |
|-----------------|---|--|
| SKIN IRRITATION | EU - GHS (H-Statements)                     | H314 - Causes severe skin burns and eye damage |
| 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: **All residuals and impurities above the threshold are included.****MASTERTOP BC HT PT B**%: **10.0000 - 12.0000**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 and solutions can be found at:  
<https://www.master-builders-solutions.basf.us/en-us/architects-and-designers>****BENZYL ALCOHOL**

ID: 100-51-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **30.0000 - 80.0000**GS: **BM-2**RC: **None**NANO: **No**SUBSTANCE ROLE: **Curing agent**

| 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.****UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-07**%: **20.0000 - 25.0000**GS: **NoGS**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.****TRIMETHYLHEXAMETHYLENEDIAMINE**

ID: 25620-58-0

#: **0.5000 - 8.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Curing agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****1,4-BIS(AMINOCYCLOHEXYL)METHANE**ID: **1761-71-3**

#: **0.0000 - 25.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Intermediate**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: **All residuals and impurities above the threshold are included.****BUTYLPHEN**ID: **98-54-4**

#: **0.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**ENDOCRINE**

OSPAR - Priority PBTs &amp; EDs &amp; equivalent concern

Endocrine Disruptor - Substance of Possible Concern

**ENDOCRINE**

EU - Priority Endocrine Disruptors

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

**CHRON AQUATIC**

EU - GHS (H-Statements)

H410 - Very 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

**REPRODUCTIVE**

EU - GHS (H-Statements)

H361f - Suspected of damaging fertility

**ENDOCRINE**

ChemSec - SIN List

Endocrine Disruption

**ENDOCRINE**

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

**SKIN SENSITIZE**

MAK

Sensitizing Substance Sh - Danger of skin sensitization

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

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

HAZARD SCREENING DATE: **2020-05-07**

?: **0.0000 - 5.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Curing agent**

| HAZARD TYPE           | AGENCY AND LIST TITLES                      | WARNINGS  |
|-----------------------|---|---|
| <b>MULTIPLE</b>       | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                              |
| <b>SKIN SENSITIZE</b> | MAK   | Sensitizing Substance Sh - Danger of skin sensitization |

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

**MASTERTOP TC 493 PT B**

?: **10.0000 - 12.0000**

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

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

HAZARD SCREENING DATE: **2020-05-07**

#: **95.0000** GS: **LT-P1** 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.

HEXAMETHYLENE DIISOCYANATE

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

HAZARD SCREENING DATE: **2020-05-07**

#: **0.0000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Activator**

| HAZARD TYPE     | AGENCY AND LIST TITLES  | WARNINGS   |
|-----------------|-------------------------|--|
| RESPIRATORY     | AOEC - Asthmagens       | Asthmagen (G) - generally accepted   |
| 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 |
| RESPIRATORY     | MAK                     | Sensitizing Substance Sah - Danger of airway & skin sensitization                |

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

### CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **Berkley**

APPLICABLE FACILITIES: **Master Builders Solutions**

**06-29**

**Analytical**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Certification to be initiated but not completed at time of this document. Completed certificate will be third party compliant.**

### VOC CONTENT

### Product Information Statement for LEED® v. 4 Credit Documentation

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **Master**

APPLICABLE FACILITIES: **Master Builders Solutions**

**10-03**

**Builders Solutions**

CERTIFICATE URL: **<https://assets.master-builders-solutions.basf.com/en-us/basf-mastertop-1234-%20ii-v4%20.pdf>**

CERTIFICATION AND COMPLIANCE NOTES: **MasterTop® 1234 system components all have a VOC (Volatile Organic Compound) content of 0 g/L which satisfies the VOC content requirements of the LEED v4 credit for interior use.**

## 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 Ohio 44122, USA**

WEBSITE: **<https://www.basf.com/us/en.html>**

CONTACT NAME: **David Green**

TITLE: **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 HPD and for compliance with the HPD standard noted.*