ULTRA SPEC HP ACRYLIC METAL PRIMER (HP04) by Benjamin Moore & Co.

Health Product Declaration v2.0

created via: HPDC Online Builder

CLASSIFICATION: 09 00 00.00 FINISHES: FINISHES

PRODUCT DESCRIPTION: THIS UNIQUE WATERBORNE, ACRYLIC PRIMER MINIMIZES FLASH RUSTING AND PROTECTS STEEL FROM CORROSION. ITS LOW ODOR FORMULA IS IDEAL FOR USE ON INTERIOR AND EXTERIOR FERROUS AND GALVANIZED METAL. THIS PRIMER CAN BE APPLIED TO SLIGHTLY DAMP SURFACES AND ADHERES WELL TO MOST HARD TO COAT SUBSTRATES. IT CAN ALSO BE USED TO PRIME MASONRY SUBSTRATES.

Section 1: Summary

CONTENT INVENTORY

Threshold per material
- (●) 100 ppm
- ( ) 1,000 ppm
- ( ) Per GHS SDS
- ( ) Per OSHA MSDS
- ( ) Other

Residuals and impurities considered in 0 of 1 materials
- (●) see Section 2: Material Notes
- (●) see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized..... Are the Percent Weight and Role provided for all substances?	(●) Yes	( ) No
Screened..... Are all substances screened using Priority Hazard Lists with results disclosed?	(●) Yes	( ) No
Identified..... Are all substances disclosed by Name (Specific or Generic) and Identifier?	(●) Yes	( ) No

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

ULTRA SPEC HP ACRYLIC METAL PRIMER (HP04) [WATER BM-4 METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END KAOLIN CLAY LT-UNK | CAN LINSEED OIL, POLYMER WITH PENTAERYTHRITOL, PHTHALIC ANHYDRIDE AND POLYMD. LINSEED OIL LT-UNK TALC BM-3 | CAN TRIZINC BIS(ORTHOPHOSPHATE) LT-P1 | AQU | MUL ZINC OXIDE BM-1 | AQU | RES | MUL OCTYLPHENOXY POLYETHOXYETHANOL LT-P1 | END | CAN | MUL 1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE LT-UNK | CAN *SILICA, AMORPHOUS* LT-P1 | CAN SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC LT-P1 | MAM | END *PROPYLENE GLYCOL* BM-2 | END ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS LT-UNK *XYLENES* BM-1 | MAM | SKI | END | MUL | REP SODIUM NITRITE LT-P1 | MAM | AQU | END | MUL | PHY SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES, SHOWN TO CONTAIN LESS THAN 3 % DMSO AS MEASURED BY IP 346 LT-UNK *ALUMINA TRIHYDRATE* BM-2 | RES *CHLORITE* UNK ZINC HYDROXIDE (ZN(OH)2) LT-UNK 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE LT-P1 | END]

Number of Greenscreen BM-4/BM3 contents..... 2

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

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): Regulatory (g/l): 50

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

VOC emissions: ULTRA SPEC HP ACRYLIC METAL PRIMER (HP04)

See Section 3 for additional listings.

(●) Self-Published*	VERIFIER:	SCREENING DATE: June 8, 2017	EXPIRY DATE*: June 8, 2020
( ) Third Party Verified	VERIFICATION #:	RELEASE DATE: June 8, 2017	* or within 3 months of significant change in product contents

See HPDC website for details

Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

ULTRA SPEC HP ACRYLIC METAL PRIMER (HP04) **%: 1.0000 - 100.0000** **HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: No
Material Notes:

WATER ID: 7732-18-5

%: 35.0000 - 45.0000	GS: BM-4	RC: None	NANO: NO	ROLE: Thinner/solvent

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE ID: 25852-37-3

%: 10.0000 - 25.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TITANIUM DIOXIDE ID: 13463-67-7

%: 10.0000 - 20.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Color Pigment

HAZARDS:	AGENCY(IES) WITH 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

SUBSTANCE NOTES:

KAOLIN CLAY ID: 1332-58-7

%: 5.0000 - 15.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Extender filler

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

LINSEED OIL, POLYMER WITH PENTAERYTHRITOL, PHTHALIC ANHYDRIDE AND POLYMD. LINSEED OIL ID: 68152-95-4

%: 1.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TALC ID: 14807-96-6

%: 1.0000 - 10.0000	GS: BM-3	RC: None	NANO: NO	ROLE: Extender filler

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

TRIZINC BIS(ORTHOPHOSPHATE) ID: 7779-90-0

%: 0.5000 - 5.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Additive

HAZARDS:		AGENCY(IES) WITH WARNINGS:
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

ZINC OXIDE ID: 1314-13-2

%: 0.5000 - 5.0000	GS: BM-1	RC: None	NANO: NO	ROLE: Antioxidant

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
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
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

OCTYLPHENOXY POLYETHOXYETHANOL ID: 9036-19-5

%: 0.1000 - 1.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Surfactant

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	EU - Priority Endocrine Disrupters	Category 1 - In vivo evidence of Endocrine Disruption Activity
CANCER	EU - SVHC Authorisation List	Carcinogenic - Prioritized for listing
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

SUBSTANCE NOTES:

1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE ID: 25265-77-4

%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Coalescing agent

HAZARDS:	AGENCY(IES) WITH WARNINGS:

CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

SILICA, AMORPHOUS ID: 7631-86-9

%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residual

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES:

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC ID: 64742-88-7

%: 0.0500 - 0.5000	GS: LT-P1	RC: None	NANO: NO	ROLE: Defoamer

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

PROPYLENE GLYCOL ID: 57-55-6

%: Impurity/Residual	GS: BM-2	RC: None	NANO: NO	ROLE: Impurity/Residual

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS ID: 68439-57-6

%: 0.0500 - 0.5000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

XYLENES ID: 1330-20-7

%: Impurity/Residual	GS: BM-1	RC: None	NANO: NO	ROLE: Impurity/Residual

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
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	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES:

SODIUM NITRITE ID: 7632-00-0

%: 0.0200 - 0.2000	GS: LT-P1	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R25 - Toxic if Swallowed
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H272 - May intensify fire; oxidiser

SUBSTANCE NOTES:

SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES, SHOWN TO CONTAIN LESS THAN 3 % DMSO AS MEASURED BY IP 346 ID: 64742-65-0

%: 0.0200 - 0.2000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Defoamer

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ALUMINA TRIHYDRATE ID: 21645-51-2

%: Impurity/Residual	GS: BM-2	RC: None	NANO: NO	ROLE: Impurity/Residual

HAZARDS:		AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES:

CHLORITE ID: 1318-59-8

%: Impurity/Residual	GS: UNK	RC: None	NANO: NO	ROLE: Impurity/Residual

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZINC HYDROXIDE (ZN(OH)2) ID: 20427-58-1

%: 0.0100 - 0.5000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES:

2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE ID: 6846-50-0

%: 0.0100 - 0.1500	GS: LT-P1	RC: None	NANO: NO	ROLE: Additive

HAZARDS:		AGENCY(IES) WITH WARNINGS:
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

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

ULTRA SPEC HP ACRYLIC METAL PRIMER (HP04)

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: all
CERTIFICATE URL: www.Benjaminmoore.com
CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: 2017-03-08

EXPIRY DATE: 2019-03-08

CERTIFIER OR LAB: Berkley Analytical

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.

Section 5: General Notes

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Benjamin Moore & Co.

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KEY

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

Hazard Types

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

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 Unspeci ed (insu cient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
UNK Unknown (no data on List Translator Lists)

Recycled Types

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

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)
Independent Lab Manufacturer's self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier
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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.