

SUPER SPEC HP URETHANE ALKYD GLOSS ENAMEL (P22) by Benjamin Moore & Co.

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 09 00 00.00 Finishes: Finishes

PRODUCT DESCRIPTION: This urethane alkyd enamel provides superior exterior gloss and color retention when compared to straight alkyds and epoxy esters. For use on properly prepared interior and exterior metal surfaces, such as metal buildings, fences, Bilco® doors, machinery, piping, cabinets, storage tanks and equipment. This rust preventative coating can be applied directly to ferrous metal or used in combination with a Benjamin Moore® metal primer.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold Disclosed Per

- Material
 Product

Threshold level

- 100 ppm
 1,000 ppm
 Per GHS SDS
 Per OSHA MSDS
 Other

Residuals/Impurities

- Considered
 Partially Considered
 Not Considered

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

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
All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No
All substances disclosed by Name (Specific or Generic) and Identifier.

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

SUPER SPEC HP URETHANE ALKYD GLOSS ENAMEL (P22) [SOYBEAN OIL, POLYMER WITH 1,3-BUTANEDIOL, PENTAERYTHRITOL AND TDI] **LT-1**
UNK DISTILLATE FUEL OILS, LIGHT **BM-2** | MAM | CAN **TITANIUM DIOXIDE** **LT-1** | CAN | END **STODDARD SOLVENT** **LT-1** | MAM | GEN | CAN | MUL
OILS, SUNFLOWER SEED **NoGS** **XYLENES** **BM-1** | SKI | END | MUL | REP
SILICA, AMORPHOUS **LT-P1** | CAN **ALUMINA TRIHYDRATE** **BM-2** | RES
ETHYLBENZENE **BM-2** | CAN | PHY | MAM | SKI | REP]

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:

None

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 275 Regulatory (g/l): 393
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: Yes

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Exterior Product - No Emission Certification
VOC content: CARB02, OTC1 Compliant

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2019-03-08

PUBLISHED DATE: 2019-03-08

EXPIRY DATE: 2022-03-08



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

SUPER SPEC HP URETHANE ALKYD GLOSS ENAMEL (P22)

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Based on information provided by raw material suppliers

OTHER PRODUCT NOTES: None

SOYBEAN OIL, POLYMER WITH 1,3-BUTANEDIOL, PENTAERYTHRITOL AND TDI

ID: 68122-67-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-08

#: 25.0000 - 35.0000 GS: LT-UNK RC: None NANO: No ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: None

DISTILLATE FUEL OILS, LIGHT

ID: 64742-47-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-08

#: 25.0000 - 35.0000 GS: BM-2 RC: None NANO: No ROLE: Thinner/Solvent

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: None

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-03-08

#: 20.0000 - 30.0000 GS: LT-1 RC: None NANO: No ROLE: Color 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: None

STODDARD SOLVENT

ID: 8052-41-3

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

HAZARD SCREENING DATE: **2019-03-08**

#: **2.0000 - 7.0000**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Thinner/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 |
| 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 | Malaysia - GHS | H340 - May cause genetic defects |
| CANCER | Malaysia - GHS | H350 - May cause cancer |
| GENE MUTATION | Australia - GHS | H340 - May cause genetic defects |
| CANCER | Australia - GHS | H350 - May cause cancer |

SUBSTANCE NOTES: None

OILS, SUNFLOWER SEED

ID: 8001-21-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-03-08**%: **2.0000 - 10.0000**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: **None****XYLENES**

ID: 1330-20-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-03-08**%: **0.5000 - 2.0000**GS: **BM-1**RC: **None**NANO: **No**ROLE: **Thinner/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

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: **None****SILICA, AMORPHOUS**

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-03-08**%: **Impurity/Residual**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Impurity/Residual**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: **None****ALUMINA TRIHYDRATE**

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-03-08**%: **Impurity/Residual**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Impurity/Residual**

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

SUBSTANCE NOTES: **None**

ETHYLBENZENE

ID: **100-41-4**

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

HAZARD SCREENING DATE: **2019-03-08**

#: **0.0500 - 0.5000**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Additive**

| 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 |
| 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 | Japan - GHS | Toxic to reproduction - Category 1B |

SUBSTANCE NOTES: **None**

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

Exterior Product - No Emission Certification

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-03-08**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **None**

VOC CONTENT

CARB02, OTC1 Compliant

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-03-08**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **None**

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.

GENNEX COLORANTS (229)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Required for all tinted products.

Section 5: General Notes

SDS and TDS available on www.benjaminmoore.com



MANUFACTURER INFORMATION

MANUFACTURER: **Benjamin Moore & Co.**
 ADDRESS: **101 Paragon Drive**
Montvale NJ 07645, United States
 WEBSITE: **www.Benjaminmoore.com**

CONTACT NAME: **Edja Kouassi**
 TITLE: **Technical Project Manager**
 PHONE: **9732522607**
 EMAIL: **Edja.kouassi@benjaminmoore.com**

KEY

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

Hazard Types

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

GreenScreen (GS)

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

Recycled Types

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

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

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

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.