

HPD UNIQUE IDENTIFIER: 24688

CLASSIFICATION: 07 13 52 Modified Bituminous Sheet Waterproofing

PRODUCT DESCRIPTION: 650 LT Liquid Adhesive is an integral part of the Polyguard Waterproofing System and sufficient liquid adhesive must be used on dry surfaces to condition them to be dust-free so the substrate is suitable for the application of Polyguard Waterproofing Membranes. Used to prime all structural concrete, masonry, or wood surfaces on which Polyguard Membranes will be applied. Used on all concrete block and approved brick wall conditions.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided for Residuals/Impurities?	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

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

650 LT LIQUID ADHESIVE [TOLUENE BM-1 | END | SKI | DEV | MUL | MAM | REP | PHY N-HEXANE BM-1 | END | REP | MUL | SKI | AQU | MAM | PHY BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE LT-UNK BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE LT-UNK STYRENE BUTADIENE RUBBER (SBR) LT-UNK AMINES, C10-14-BRANCHED AND LINEAR ALKYL, BIS[2,4-DIHYDRO-4-[(2-HYDROXY- 4-NITROPHENYL)AZO]-5-METHYL-2-PHENYL-3H-PYRAZOL -3-ONATO(2-)]CHROMATE(1-) LT-UNK]

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:

Reviewed the SDS for all raw materials used in the production of this product. Performed calculations to determine the percentage of each component including the residuals and impurities. Only reported residuals or impurities that were above the 1000 ppm threshold.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 517 Regulatory (g/l): 517
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: EPA Method 24 - Volatile Matter Content (EPA 24)
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2021-03-24

PUBLISHED DATE: 2021-05-07

EXPIRY DATE: 2024-03-24

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

650 LT LIQUID ADHESIVE

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals that exist in this raw material are less than 1000 ppm.

OTHER PRODUCT NOTES: None

TOLUENE

ID: 108-88-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-03-24 12:02:41

#: 30.0000 - 36.0000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
DEV	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
DEV	CA EPA - Prop 65	Developmental toxicity
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
DEV	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child
MAM	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
REP	CA EPA - Prop 65	Reproductive Toxicity - Female
REP	GHS - Japan	Toxic to reproduction - Category 1A [H360]
PHY	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Only residuals and impurities that exceed the 1000 ppm were reported.

N-HEXANE

ID: 110-54-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-03-24 12:02:42

#: 29.0000 - 33.0000

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
END	ChemSec - SIN List	Endocrine Disruption
REP	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
MAM	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
REP	CA EPA - Prop 65	Reproductive Toxicity - Male
PHY	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Only residuals or impurities that are above the 1000 ppm threshold were reported.

BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE

ID: 25038-32-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-24 12:02:42	
#: 9.0000 - 13.0000	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: No residuals or impurities were reported on the supplier's SDS.

BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE

ID: 25038-32-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-24 12:02:42	
#: 9.0000 - 13.0000	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: No residuals or impurities were reported on the supplier's SDS.

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-03-24 12:02:43	
#: 0.5000 - 2.0000	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: No residuals or impurities were listed on the supplier's SDS.

**AMINES, C10-14-BRANCHED AND LINEAR ALKYL, BIS[2,4-DIHYDRO-4-
[(2-HYDROXY- 4-NITROPHENYL)AZO]-5-METHYL-2-PHENYL-3H-
PYRAZOL -3-ONATO(2-)]CHROMATE(1-)**

ID: 85029-57-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-24 12:02:43**

#: **0.0100 - 0.0300**

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: Only residuals or impurities that are above the 1000 ppm threshold were reported.

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

EPA Method 24 - Volatile Matter Content (EPA 24)

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2020-03-

EXPIRY DATE:

CERTIFIER OR LAB: None

APPLICABLE FACILITIES: All

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CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: OC determined using the following test methods. ASTM D2369 Standard Test Method for Volatile Content of Coatings ASTM D1475 Standard Test Method for Density of Liquid Coatings, Inks, and Related Products ASTM D3960 Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings. Results % non volatiles - 38.7 % Density- 6.97 lbs/gal Calculated VOC- 516.2 g/l

VOC CONTENT

EPA Method 24 - Volatile Matter Content (EPA 24)

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2020-03-

EXPIRY DATE:

CERTIFIER OR LAB: None

APPLICABLE FACILITIES: All

24

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: OC determined using the following test methods. ASTM D2369 Standard Test Method for Volatile Content of Coatings ASTM D1475 Standard Test Method for Density of Liquid Coatings, Inks, and Related Products ASTM D3960 Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings. Results % non volatiles - 38.7 % Density- 6.97 lbs/gal Calculated VOC- 516.2 g/l

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

No additional general notes for this product.

MANUFACTURER INFORMATION

MANUFACTURER: Polyguard Products
ADDRESS: 4101 South I-45
 Ennis Texas 75119, US
WEBSITE: www.Polyguardproducts.com

CONTACT NAME: Chris Rogalski
TITLE: Quality Manager
PHONE: 214-515-5000
EMAIL: Chris@Polyguard.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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
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)	

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.