

HPD UNIQUE IDENTIFIER: 2294108069888

CLASSIFICATION: 09 96 00 High-Performance Coatings

PRODUCT DESCRIPTION: Vetobond AB432 is an acrylic polymer-based bonding agent and cement modifier designed to be used as a bonding aid, curing agent, and gauging liquid for cementitious systems. It is resistant to hydrolysis and can therefore be used for external applications. Vetobond AB432 is a milky liquid that first turns purple when first applied on concrete then becomes clear once it dries, it is applied directly from the bottle or pail to the concrete substrate by brush, roller, or spray.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
☒ Nested Materials Method	☐ 100 ppm	☐ Completed	Characterized ☒ Yes ☐ No
☐ Basic Method	☒ 1,000 ppm	☒ Not Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	☐ Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	Screened ☒ Yes ☐ No
☐ Material	☐ Other	☒ Yes ☐ No	<i>Provided screening results using HPDC-approved methods.</i>
☒ Product			Identified ☐ Yes ☒ No
			<i>Provided name and CAS RN or other 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.

NESTED MATERIAL | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY*

GREENSCREEN SCORE | HAZARD TYPE

VETOBOND AB432 | **BUTADIENE, STYRENE, ITACONIC ACID POLYMER** **LT-UNK** **WATER** **BM-4** **TECHNICAL/OTHER NAMES THAT MATCH YOUR QUERY:** **NoGS**

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... None

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.3 and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Therefore, this HPD is consistent with the LEED v4.1 MR Credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 4.2	Regulatory (g/l): 450
---------------------	-----------------------

Does the product contain exempt VOCs: No

Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

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

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

VOC content: ANSI/BIFMA M7.1 Standard Test Method for Determining VOC Emissions - X7.1-2011 FES Test method

LCA: Environmental Product Declaration (EPD) by the Green Standard

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2023-05-30
☐ Yes	VERIFIER:	PUBLISHED DATE: 2023-05-30
☒ No	VERIFICATION #:	EXPIRY DATE: 2026-05-30

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

VETOBOND AB432		: 100.0000	
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No	MATERIAL TYPE: Other: Primers and Ancillary	
RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are considered.			
OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold.			

BUTADIENE, STYRENE, ITACONIC ACID POLYMER				ID: 30174-67-5	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-05-30 15:00:02			
%: 35.0000 - 65.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Chemical Composition as per MSDS.					

WATER				ID: 7732-18-5	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-05-30 15:00:03			
%: 40.0000 - 65.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
EXEMPT	European Union / European Commission (EU EC)		EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety		
SUBSTANCE NOTES: As per MSDS (Material Data Sheet) it is between 40-65%. CAS # 7731-18-5					

TECHNICAL/OTHER NAMES THAT MATCH YOUR QUERY:				ID: Not registered	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-05-30 15:00:03			
%: 0.0000 - 0.3000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Tensile strength additive	
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS			
None found		No warnings found on HPD Priority Hazard Lists			
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION			
None found		No listings found on Additional Hazard Lists			
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		CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
CERTIFYING PARTY: Third Party	ISSUE DATE: 2019-10-16	CERTIFIER OR LAB: Wimpey
APPLICABLE FACILITIES: Saudi Arabia	EXPIRY DATE:	Laboratories
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: Volatile Organic Compound (VOC) - 4.2 gm/litter		
VOC CONTENT		ANSI/BIFMA M7.1 Standard Test Method for Determining VOC Emissions - X7.1-2011 FES Test method
CERTIFYING PARTY: Third Party	ISSUE DATE: 2019-10-16	CERTIFIER OR LAB: Wimpey
APPLICABLE FACILITIES: Saudi Arabia	EXPIRY DATE:	Laboratories
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: VOC - Tested as per USEPA Method 24.		
LCA		Environmental Product Declaration (EPD) by the Green Standard
CERTIFYING PARTY: Third Party	ISSUE DATE: 2023-05-30	CERTIFIER OR LAB: Environmental
APPLICABLE FACILITIES: Saudi Arabia	EXPIRY DATE: 2028-05-30	Footprint Institute
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: Environmental Product Declaration has been developed by GCAS Quality Certifications and verified by a third-party verifier at Environmental Footprint Institute, Spain.		

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

The original sealed container of Vetobond AB432 has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C. Cementitious mortars and slurries modified with Vetobond AB432 contain cement powders that release alkalies that can be harmful to the skin when mixed or become damp. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection, and respiratory protective equipment. The use of barrier creams provides additional skin protection. In case of contact with the skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with the eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

MANUFACTURER INFORMATION

MANUFACTURER: Saudi Vetonit Co.Ltd
ADDRESS: P.O. Box 52235
 Riyadh - 11563, Saudi Arabia
WEBSITE: www.saveto.com

CONTACT NAME: Mr. Majid R Al Momani
TITLE: Research & Development Manager
PHONE: +966 11 265 3334
EMAIL: mmomani@saveto.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-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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.