Sealants and Joints - Vetoflex PU780 by Saudi Vetonit Co.Ltd

Health Product Declaration v2.3
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 57261046784
CLASSIFICATION: 07 92 00 Joint Sealants
PRODUCT DESCRIPTION: Vetoflex PU780 is one part, moisture curing, low modulus elastomeric joint sealant based on polyurethane. It is suitable for movement and connection joints for indoor and outdoor applications. Vetoflex PU780 is a paintable weather-resistant sealant with versatile usage both as a sealant and a general adhesive in the construction industry for various substrates, including concrete, steel, wood, and many others.

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 Evaluation
- ( ) Completed
- (•) Not Completed

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

For all contents above the threshold, the manufacturer has:

Characterized (•) Yes ( ) No
Provided weight and role.

Screened (•) Yes ( ) No
Provided screening results using HPDC-approved methods.

Identified (•) Yes ( ) No
Provided name and CAS RN or other 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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

VETOFLEX PU780 [LIMESTONE BM-3dg POLYCAPROLACTONE, DIPROPYLENE GLYCOL, METHYLENEBIS(PHENYL ISOCYANATE) POLYMER NoGS LIME BM-2 | SKI | MAM | EYE]

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): 12.4 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
: Environmental Product Declaration (EPD) by the Green Standard

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?
- ( ) Yes
- (•) No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2023-12-11
PUBLISHED DATE: 2023-12-11
EXPIRY DATE: 2026-12-11

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

VETOFLEX PU780 %: **100.0000**

PRODUCT THRESHOLD: **1000 ppm** | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **No** | MATERIAL TYPE: **Other: Sealants and Joints**

RESIDUALS AND IMPURITIES NOTES: **No residuals or impurities are considered.**

OTHER MATERIAL NOTES: **All substances in this material are below the reportable threshold.**

LIMESTONE ID: 1317-65-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-12-11 13:45:10**

%: **40.0000 - 60.0000** GreenScreen: **BM-3dg** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

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:

POLYCAPROLACTONE, DIPROPYLENE GLYCOL, METHYLENEBIS(PHENYL ISOCYANATE) POLYMER ID: 154336-14-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-12-11 13:45:10**

%: **25.0000 - 40.0000** GreenScreen: **NoGS** 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:

LIME ID: 1305-78-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-12-11 13:45:10**

%: **0.0000 - 5.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
SKI	GHS - New Zealand	Skin corrosion category 1C
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials

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
APPLICABLE FACILITIES: Saudi Arabia
CERTIFICATE URL:

ISSUE DATE: 2020-01-22
EXPIRY DATE:

CERTIFIER OR LAB: Advanced Laboratory Center LLC

CERTIFICATION AND COMPLIANCE NOTES: Volatile Organic Compound (VOC) - 12.4 g/L

VOC CONTENT — **ANSI/BIFMA M7.1 Standard Test Method for Determining VOC Emissions - X7.1-2011 FES Test method**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Saudi Arabia
CERTIFICATE URL:

ISSUE DATE: 2020-01-22
EXPIRY DATE:

CERTIFIER OR LAB: Advanced Laboratory Center LLC

CERTIFICATION AND COMPLIANCE NOTES: VOC - 12.4 g/l. Tested as per USEPA Method 24

LCA — **Environmental Product Declaration (EPD) by the Green Standard**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Saudi Arabia
CERTIFICATE URL:

ISSUE DATE: 2023-05-30
EXPIRY DATE: 2028-05-30

CERTIFIER OR LAB: Environmental Footprint Institute

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 sausages of Vetoflex PU780 have a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 25ºC. Clean all joint surfaces and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits, or algae. Roughen the surfaces, remove any laitance, and expose aggregate by light scabbling or grit-blasting. Remove oil and grease deposits by steam cleaning, detergent scrubbing, or using a proprietary degreaser. Before positioning a bond breaker, check any expansion joint filler to ensure it is tightly packed with no gaps or voids at the base of the sealing slot. The use of a bond breaker is not required in expansion joints containing cellular polyethylene joint filler, or a backing rod (Vetoflex PBR). For construction or contraction joints, use a bond breaker tape or backup strip. Where a particularly neat finish is required, mask the joint's face edges before sealing and remove immediately after tooling is completed.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Saudi Vetonit Co.Ltd**
ADDRESS: **P.O. Box 52235**
Riyadh, - 11563
COUNTRY: **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
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
NoGS No GreenScreen.

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.