

HPD UNIQUE IDENTIFIER: 1030371382272

CLASSIFICATION: 07 92 13 Elastomeric Joint Sealants

PRODUCT DESCRIPTION: EGOSILICON 351 is a ready-to-use, high-quality single-component silicone sealant and vulcanises through reaction with air humidity to form an elastic end product. The product is suitable for sealing of connection and movement joints for indoor and outdoor areas. EGOSILICON 351 shows no plasticizer migration to natural stone and can also be used in sanitary areas.

Section 1: Summary

Basic 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	☐ Partially Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	☐ Per GHS SDS	☒ Not Completed	Screened ☒ Yes ☐ No
☐ Material	☐ Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
☒ Product		☒ Yes ☐ No	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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

EGOSILICON 351 | SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED BM-2 | EYE UNDISCLOSED LT-P1 | PBT UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED LT-UNK | AQU UNDISCLOSED NoGS UNDISCLOSED LT-UNK | GEN | MAM | DEV]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The names of substances are undisclosed for intellectual property reasons.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: AgBB evaluation scheme 2015 (building products emissions)

VOC emissions: Emicode EC1 - very low emission

VOC content: Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD

EPD: Environmental Product Declaration (EPD) by IBU (Arbeitsgemeinschaft Umweltverträgliches Bauprodukt E.V.(AUB)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4 Option 2.

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2023-10-30
☐ Yes	VERIFIER:	PUBLISHED DATE: 2023-11-07
☒ No	VERIFICATION #:	EXPIRY DATE: 2026-10-30

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

EGOSILICON 351

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: No evaluation of residuals/impurities

OTHER PRODUCT NOTES: No other notes

SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-10-30 9:13:53	
%: 70.0000 - 90.0000	GreenScreen: BM-2	RC: UNK	NANO: Unknown	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Polymer				

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-10-30 1:31:26	
%: 5.0000 - 15.0000	GreenScreen: LT-P1	RC: UNK	NANO: Unknown	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Formulation is subject to secrecy				

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-10-30 1:08:14	
%: 5.0000 - 10.0000	GreenScreen: LT-UNK	RC: UNK	NANO: Unknown	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: Formulation is subject to secrecy				

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-10-30 1:00:01	
%: 2.0000 - 5.0000	GreenScreen: NoGS	RC: UNK	NANO: Unknown	SUBSTANCE ROLE: Reagent
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: Formulation is subject to secrecy				

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-10-30 1:23:30	
%: 0.6000 - 1.6000	GreenScreen: LT-UNK	RC: UNK	NANO: Unknown	SUBSTANCE ROLE: Reagent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
AQU	GHS - New Zealand		Hazardous to the aquatic environment - chronic category 3	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Formulation is subject to secrecy				

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-10-30 1:02:08	
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%: 0.5000 - 1.0000		GreenScreen: NoGS	RC: UNK	NANO: Unknown	SUBSTANCE ROLE: Reagent
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: Formulation is subject to secrecy					

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-10-30 1:20:05		
%: 0.0100 - 0.0900	GreenScreen: LT-UNK	RC: UNK	NANO: Unknown	SUBSTANCE ROLE: Catalyst	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
GEN	GHS - Australia		H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]		
MAM	GHS - Australia		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]		
DEV	GHS - Australia		H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precautionary List		
			Precautionary list of substances recommended for avoidance		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)		C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
			Biological and Environmentally Released Materials		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)		C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
			Children's Products		
SUBSTANCE NOTES: Formulation is subject to secrecy					

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		AgBB evaluation scheme 2015 (building products emissions)
CERTIFYING PARTY: Third Party	ISSUE DATE: 2016-10-07	CERTIFIER OR LAB: eco
APPLICABLE FACILITIES: All	EXPIRY DATE:	
CERTIFICATE URL: https://www.ego.de/en/product/egosilicon351		
CERTIFICATION AND COMPLIANCE NOTES: Meets the requirement according to AgBB scheme		
VOC EMISSIONS		Emicode EC1 - very low emission
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2022-12-02	CERTIFIER OR LAB: EGO
APPLICABLE FACILITIES: All	EXPIRY DATE:	
CERTIFICATE URL: https://www.ego.de/en/product/egosilicon351		
CERTIFICATION AND COMPLIANCE NOTES: The VOC requirements for EMICODE EC1 are fulfilled.		
VOC CONTENT		Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD
CERTIFYING PARTY: Third Party	ISSUE DATE: 2012-02-10	CERTIFIER OR LAB: Eurofins
APPLICABLE FACILITIES: All	EXPIRY DATE:	
CERTIFICATE URL: https://www.ego.de/en/product/egosilicon351		
CERTIFICATION AND COMPLIANCE NOTES: Fulfillment of the specifications in LEED 2009 credit EQ c4.1 (adhesive and sealants)		
EPD		Environmental Product Declaration (EPD) by IBU (Arbeitsgemeinschaft Umweltverträgliches Bauprodukt E.V.(AUB)
CERTIFYING PARTY: Third Party	ISSUE DATE: 2022-08-31	CERTIFIER OR LAB: Institut Bauen und Umwelt e.V. (IBU)
APPLICABLE FACILITIES: All	EXPIRY DATE: 2027-08-30	
CERTIFICATE URL: https://www.ego.de/en/product/egosilicon351		
CERTIFICATION AND COMPLIANCE NOTES: EGO Dichtstoffwerke is a member of Deutsche Bauchemie e.V., which has developed European model EPDs for products based on silicone, polyurethane or silane-modified polymers. These sample EPDs have been verified by the independent institute IBU (Institut Bauen und Umwelt), the German holder of the EPD program. The European model EPDs were published on the website of Deutsche Bauchemie (https://muster-epd.deutsche-bauchemie.de) and on the websites of the IBU1 and ECO2 (Platform of the European EPD Programme Operators3), available for download. As a member of Deutsche Bauchemie and with help of an internal member guide, we, EGO Dichtstoffwerke, are authorized to determine the compatibility of our products with the European model EPD. With this declaration we confirm that we verified the conformity of EGOSILICONE 351 with the European model EPD for Silicone-based products, group 2 according to the guidance developed for this purpose. Therefore, the LCA data and other contents of the attached model EPD apply to the above mentioned product and can be used for the assessment of buildings.		

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 instructions in the technical data sheet must be observed.

MANUFACTURER INFORMATION

MANUFACTURER: **EGO Dichtstoffwerke GmbH & Co. Betriebs KG**
 ADDRESS: **Kaltenbrunn 27**
Garmisch-Partenkirchen, Bavaria 82467
 COUNTRY: **Germany**
 LATITUDE: **11.1779000**
 LONGITUDE: **47.4900000**

WEBSITE: **www.ego.de**
 CONTACT NAME: **Petra Goldmann**
 TITLE: **Management**
 PHONE: **0882195690**
 EMAIL: **info@ego.de**

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.

