

HPD UNIQUE IDENTIFIER: 25472

CLASSIFICATION: 07 10 00 Dampproofing and Waterproofing

PRODUCT DESCRIPTION: Sika®-1+ is a liquid water resisting admixture used to reduce the permeability of concrete. Used in combination with Viscocrete® Superplasticiser Technology, watertight concrete can be produced which is suitable for BS8102:2009 Type B construction (grades 1-3). It meets the requirements of BS EN 934-2.

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 checked="" 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 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.

Number of Greenscreen BM-4/BM3 contents ... 1
 Contents highest concern GreenScreen Benchmark or List translator Score ... NoGS
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
SIKA-1+ [WATER BM-4 TEA-STEARATE NoGS HYDROGENATED STARCH HYDROLYSATE NoGS]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 5.66 Regulatory (g/l): 5.66
 Does the product contain exempt VOCs: No
 Are ultra-low VOC tints available: N/A

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

VOC emissions: ISO 14001:2004 Environmental management systems
 VOC content: ISO 14001:2004 Environmental management systems
 Other: bba

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2020-11-05
<input type="radio"/> Yes	VERIFIER:	PUBLISHED DATE: 2021-07-21
<input checked="" type="radio"/> No	VERIFICATION #:	EXPIRY DATE: 2023-11-05

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

SIKA-1+

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals/Impurities not considered

OTHER PRODUCT NOTES: There are no other product notes

WATER ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-22 1:56:15

#: 80.0000 - 90.0000 GS: BM-4 RC: None NANO: No SUBSTANCE ROLE: Carrier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES:

TEA-STEARATE ID: 4568-28-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-22 2:01:32

#: 5.0000 - 10.0000 GS: NoGS RC: None NANO: Unknown SUBSTANCE ROLE: Emulsifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES:

HYDROGENATED STARCH HYDROLYSATE ID: 68425-17-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-02-22 2:16:49

#: 5.0000 - 10.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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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	ISO 14001:2004 Environmental management systems		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-02-	EXPIRY DATE:	CERTIFIER OR LAB: not tested
APPLICABLE FACILITIES: not applicable	24		
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			
VOC CONTENT	ISO 14001:2004 Environmental management systems		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-02-	EXPIRY DATE:	CERTIFIER OR LAB: Not applicable
APPLICABLE FACILITIES: Not applicable	24		
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Not applicable			
OTHER	bba		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2019-04-	EXPIRY DATE:	CERTIFIER OR LAB: British Board
APPLICABLE FACILITIES: Sika Ltd, Watchmead, Welwyn	24		of Agreement
Garden City, Hertfordshire, AL7 1BQ, UK			
CERTIFICATE URL:			
https://www.sikawaterproofing.co.uk/wp-content/uploads/2019/04/Sika-1-System-BBA-Certificate.pdf			
CERTIFICATION AND COMPLIANCE NOTES: Certificate no 19/5643			

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

MANUFACTURER INFORMATION

MANUFACTURER: Sika
ADDRESS: Head Office
 Watchmead
 Welwyn Garden City 44 AL7 1BQ, United Kingdom
WEBSITE: <https://gbr.sika.com>

CONTACT NAME: Dr. Sarah Peake
TITLE: Sustainability Manager
PHONE: 07870597543
EMAIL: peake.sarah@uk.sika.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)	
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)	NoGS No GreenScreen.

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.