Tremco SG300
by Stoncor Middle East LLC

Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 10791009092608
CLASSIFICATION: 07 92 13 Elastomeric Joint Sealants
PRODUCT DESCRIPTION: Tremco SG300 is a versatile, high performance single component silicone sealant which reacts with atmospheric moisture to produce a flexible silicone rubber, ideal for a wide variety of general-purpose joint sealing and glazing applications. This product is compliant with Korean Air Cleaning Association SPS KACA 0020-7174– Healthy Building Material. Certificate No: HB 2328E19-01, Low Carbon (LOW CO2) Footprint accordance to Korea Environmental Technology and Industry Support Act and VOC < 2.5 g/L (ISO 11890-2); Specific Hazardous substances i.e. Formaldehyde, APEOs, Hologenetic solvents, BBP, DBP etc – Not detectable (ISO 11890-2).

Section 1: Summary

Basic 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
- ○ Partially Completed
- ○ Not Completed

Explanation(s) provided :
- ◉ 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.

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

TREMCO SG300 [UNDISCLOSED BM-3dg **UNDISCLOSED** BM-2 | EYE **POLYDIMETHYLSILOXANES (PRIMARY CASRN IS 63148-62-9)** BM-2 | PBT **2-BUTANONE, 2,2',2''-(O,O',O''-(METHYLSILYLIDYNE)TRIOXIME)** LT-P1 | MUL **UNDISCLOSED** BM-1 | MUL **QUARTZ (PRIMARY CASRN IS 14808-60-7)** BM-1 * | CAN | MAM | GEN **UNDISCLOSED** LT-UNK | SKI | MAM | EYE **UNDISCLOSED** LT-UNK | GEN | MAM | DEV **]**

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 100 ppm] threshold to act as antimicrobials.
Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 100 ppm] threshold to act as antimicrobials.

HPD generated as basic inventory

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): <1 Regulatory (g/l): 250
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: Inherently non-emitting source per LEED
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)
Korea ECO-LABEL Certification: Korea ECO-LABEL Certification (Korea Environmental Industry & Technology Institute)
Low Carbon : Korea Environmental Product Declaration (EPD): Low Carbon

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2025-03-10
PUBLISHED DATE: 2025-03-10
EXPIRY DATE: 2028-03-10

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

TREMCO SG300

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: The product is estimated to have no residuals or impurities over 100 ppm based on raw material supplier information.

OTHER PRODUCT NOTES: -

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-03-10 3:57:10**

%: **40.0000 - 50.0000** 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: The percentage of the substance used is provided as a range to protect proprietary information. The component's CAS number was used to identify associated hazards.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-03-10 3:57:10**

%: **30.0000 - 40.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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: The percentage of the substance used is provided as a range to protect proprietary information. The component's CAS number was used to identify associated hazards.

POLYDIMETHYLSILOXANES (PRIMARY CASRN IS 63148-62-9)

ID: **2161362-23-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-03-10 3:57:11**

%: **10.0000 - 20.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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: The percentage of the substance used is provided as a range to protect proprietary information. The component's CAS number was used to identify associated hazards.

2-BUTANONE, 2,2',2''-(O,O',O''-(METHYLSILYLIDYNE)TRIOXIME)

ID: **22984-54-9**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-03-10 3:57:11**

%: **1.0000 - 5.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Curing agent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The percentage of the substance used is provided as a range to protect proprietary information. The component's CAS number was used to identify associated hazards.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-03-10 3:57:12**

%: **1.0000 - 5.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Curing agent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The percentage of the substance used is provided as a range to protect proprietary information. The component's CAS number was used to identify associated hazards.

QUARTZ (PRIMARY CASRN IS 14808-60-7) ID: **87347-84-0**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-03-10 3:57:10**

%: **1.0000 - 5.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)**
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man**
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources**
CAN	IARC	Group 1 - Agent is Carcinogenic to humans**
CAN	CA EPA - Prop 65	Carcinogen**
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen**
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]**
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]**
CAN	GHS - New Zealand	Carcinogenicity category 1**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**
GEN	GHS - Japan	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]**
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1**

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The percentage of the substance used is provided as a range to protect proprietary information. The component's CAS number was used to identify associated hazards.

**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

UNDISCLOSED ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-03-10 3:57:11**

%: **0.1000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
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	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The percentage of the substance used is provided as a range to protect proprietary information. The component's CAS number was used to identify associated hazards.

UNDISCLOSED ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-03-10 3:57:11**

%: **0.0100 - 0.1000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** 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 (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products

SUBSTANCE NOTES: The percentage of the substance used is provided as a range to protect proprietary information. The component's CAS number was used to identify associated hazards.

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 — **Inherently non-emitting source per LEED**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: Stoncor Middle East LLC, Al Qouz, Dubai & Umm Al Quwain, UAE
CERTIFICATE URL:
ISSUE DATE: 2025-03-10 00:00:00
EXPIRY DATE:
CERTIFIER OR LAB: None

CERTIFICATION AND COMPLIANCE NOTES: Korea Environmental Product Declaration Label

VOC CONTENT — **EPA Method 24 - Volatile Matter Content (EPA 24)**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Stoncor Middle East LLC, Al Qouz, Dubai & Umm Al Quwain, UAE
CERTIFICATE URL:
ISSUE DATE: 2023-08-10 00:00:00
EXPIRY DATE:
CERTIFIER OR LAB: Middle East Testing Services LLC

CERTIFICATION AND COMPLIANCE NOTES: Test Method: US EPA 24

KOREA ECO-LABEL CERTIFICATION — **Korea ECO-LABEL Certification (Korea Environmental Industry & Technology Institute)**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Stoncor Middle East LLC, Al Qouz, Dubai & Umm Al Quwain, UAE
CERTIFICATE URL: https://m.ktr.or.kr/qr-report.htm?pr=VEFLLTIwMjAtMDMyMTMzMDE=
ISSUE DATE: 2020-02-24 00:00:00
EXPIRY DATE:
CERTIFIER OR LAB: Korea Environmental Industry & Technology Institute

CERTIFICATION AND COMPLIANCE NOTES: For Korea Eco-Label Certification: Test Methods: KS M ISO 11890-2:2014(GC/FID), KS C IEC 62321-5:2014, KS C IEC 62321-4:2014, KS M 0180:2009

LOW CARBON : KOREA ENVIRONMENTAL PRODUCT DECLARATION (EPD) — **Low Carbon**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Stoncor Middle East LLC, Al Qouz, Dubai & Umm Al Quwain, UAE
CERTIFICATE URL:
ISSUE DATE: 2021-02-26 00:00:00
EXPIRY DATE:
CERTIFIER OR LAB: Korea Environmental Industry & Technology Institute

CERTIFICATION AND COMPLIANCE NOTES: Environmental Technology and Industry Support Act

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

KEY BENEFITS SUMMARY:
• Exceptional weather resistance: including UV and ozone exposure with an anticipated life of 30 years. • Movement capability: 25%. • Good adhesion without primer to most common substrates. • High adhesion strength: suited for bonding applications. • Excellent gunnability. • Stable curing system: Which assures product reliability. • Quick skin formation.
Usage / Purpose:
• Curtain walling included cap, toe, heel and air seals. • General sealing/jointing. • Silicone Structural Glazing in 2 sided and 4 sided. • A weather seal in

butt (2 sided) and stopless (4 sided) glazing systems. • Joint within curtain/window systems

COMPLIANCE AND APPROVALS:

• This product is compliant with ASTM C920 Standard Specification for Elastomeric Joint Sealants. • This product is compliant with ASTM C1184 Standard Specification for Structural Silicone. • This product is compliant with EN ISO 11600 G&F 25HM Standard Specification for Elastomeric Joint Sealants. • This product is compliant with EN 15651-1 and EN15651-2. • This product is compliant with Korean Air Cleaning Association SPS KACA 0020-7174– Healthy Building Material. Certificate No: HB 2328E19-01. • This product is compliant with Low Carbon (LOW CO_2) Footprint accordance to Korea Environmental Technology and Industry Support Act. • VOC < 2.5 g/L (ISO 11890-2); Specific Hazardous substances ie Formaldehyde, APEOs, Halogenetic solvents, BBP, DBP etc – Not detectable (ISO 11890-2). • This product is compliant with Korea Eco Label – Construction Sealing Material Certificate No: 21790).

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Stoncor Middle East LLC**
ADDRESS: **Al Qouz Industrial Area 3**
Dubai, Dubai 3034
COUNTRY: **United Arab Emirates**
LATITUDE: **25.1347000**
LONGITUDE: **55.2178000**

WEBSITE: **www.stoncor-me.com**
CONTACT NAME: **Sridhar Rajaji**
TITLE: **Research & Development Manager**
PHONE: **+971 4 347 0460**
EMAIL: **sridhar.rajaji@stoncor-me.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.