

HPD UNIQUE IDENTIFIER: 24241

CLASSIFICATION: 08 50 00 Windows

PRODUCT DESCRIPTION: IGS3763 adhesive silicone is an optimized, high-modulus, neutral curing sealant for edge seal applications for gas and air filled structural and nonstructural insulating glass units. IGS3763 two-component silicone offers variable work life with fast deep section cure to accommodate scheduling and production needs.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input checked="" type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	Residuals/Impurities	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	Considered in 2 of 2 Materials	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	<input checked="" type="radio"/> Yes <input type="radio"/> No	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product			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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

IGS3763A [CALCIUM CARBONATE (CALCIUM CARBONATE) BM-3]

IGS3763B [CARBON BLACK BM-1 | CAN 3-

(TRIMETHOXYSILYL)PROPYLAMINE (3-

(TRIMETHOXYSILYL)PROPYLAMINE) LT-UNK ((3-

(TRIMETHOXYSILYL)PROPOXY)METHYL)OXIRANE (((3-

(TRIMETHOXYSILYL)PROPOXY)METHYL)OXIRANE) LT-P1 | MUL]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

No inventory and screening notes

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.1 Regulatory (g/l): 0.1

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: No

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Intertek ETL Environmental VOC

VOC content: Intertek ETL Environmental VOC

Other: ASTM C 1369

Other: ASTM E2190-10

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-03-31

PUBLISHED DATE: 2021-03-31

EXPIRY DATE: 2024-03-31

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

IGS3763A

#: 0.0000 - 100.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Other: Silicone sealant

RESIDUALS AND IMPURITIES NOTES: Impurities listed in ingredients

OTHER MATERIAL NOTES: N/A

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-03-31 11:11:05

#: 20.0000 - 50.0000 GS: BM-3 RC: UNK NANO: No SUBSTANCE ROLE: Filler

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

SUBSTANCE NOTES: This substance has workplace exposure limit(s).

IGS3763B

#: 0.0000 - 100.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Other: Silicone sealant

RESIDUALS AND IMPURITIES NOTES: Impurities listed in ingredients

OTHER MATERIAL NOTES: N/A

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-31 11:11:06**%: **10.0000 - 20.0000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

SUBSTANCE NOTES: This substance has workplace exposure limit(s).

3-(TRIMETHOXYSILYL)PROPYLAMINE (3-(TRIMETHOXYSILYL)PROPYLAMINE)

ID: 13822-56-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-31 11:11:06**%: **10.0000 - 20.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Catalyst**

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

SUBSTANCE NOTES: N/A

((3-(TRIMETHOXYSILYL)PROPOXY)METHYL)OXIRANE (((3-(TRIMETHOXYSILYL)PROPOXY)METHYL)OXIRANE)

ID: 2530-83-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-31 11:11:07**%: **5.0000 - 10.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Catalyst**

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

SUBSTANCE NOTES: N/A

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	Intertek ETL Environmental VOC		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Waterford, NY CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2020-09-30	EXPIRY DATE:	CERTIFIER OR LAB: Intertek
VOC CONTENT	Intertek ETL Environmental VOC		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Waterford, NY CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2020-09-30	EXPIRY DATE:	CERTIFIER OR LAB: Intertek
OTHER	ASTM C 1369		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Waterford, New York CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Determine specification properties for Momentive Performance Materials' IGS3763 for compliance with ASTM C 1369: Standard Specification for Secondary Edge Sealants for Structurally Glazed Insulating Glass Units. IGS3763 is a two part, insulating glass sealant.	ISSUE DATE: 2014-01-08	EXPIRY DATE:	CERTIFIER OR LAB: PRI Construction Materials Technologies
OTHER	ASTM E2190-10		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: N/A CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Standard Specification for Insulating Glass Unit Performance and Evaluation	ISSUE DATE: 2015-11-16	EXPIRY DATE:	CERTIFIER OR LAB: Intertek Architectural Testing
OTHER	EN 1279		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: N/A CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: This test serves to demonstrate the moisture penetration, gas leakage rate, and gas concentration tolerances of insulating glass.	ISSUE DATE: 2015-07-31	EXPIRY DATE:	CERTIFIER OR LAB: Rosenheim
OTHER	EOTA ETAG 002		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: N/A CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: European technical approval guideline	ISSUE DATE: 2015-10-09	EXPIRY DATE:	CERTIFIER OR LAB: OiB
OTHER	GB2466		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: N/A CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2015-01-01	EXPIRY DATE:	CERTIFIER OR LAB: China National Center for test of Chemical Building Materials

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

IGS3763 adhesive silicone is an optimized, high-modulus, neutral curing sealant for edge seal applications for gas and air filled structural and nonstructural insulating glass units.

IGS3763 two-component silicone offers variable work life with fast deep section cure to accommodate scheduling and production needs.

MANUFACTURER INFORMATION

MANUFACTURER: Momentive Performance Materials
ADDRESS: 260 HUDSON RIVER ROAD
WATERFORD New York 12188, United States
WEBSITE: momentive.com

CONTACT NAME: Reuben Correia
TITLE: Lead Chemist
PHONE: 518-233-3810
EMAIL: Reuben.Correia@momentive.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.