

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	All Substances Above the Threshold Indicated Are:
☒ Nested Materials Method	☐ 100 ppm	Residuals/Impurities	Characterized ☐ Yes Ex/SC ☒ Yes ☐ No
☐ Basic Method	☒ 1,000 ppm	Considered in 2 of 2 Materials	% weight and role provided for all substances.
Threshold Disclosed Per	☐ Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	Screened ☐ Yes Ex/SC ☒ Yes ☐ No
☐ Material	☐ Other	☒ Yes ☐ No	All substances screened using Priority Hazard Lists with results disclosed.
☒ Product			Identified ☐ Yes Ex/SC ☒ Yes ☐ No
			All substances disclosed by Name (Specific or Generic) and 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.

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

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

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

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 (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.)

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.