

CLASSIFICATION: 067200

PRODUCT DESCRIPTION: BONDSEAL 7310 IS PART OF CHEMIQUE'S RANGE OF TWO-COMPONENT STRUCTURAL ADHESIVES. THIS PRODUCT HAS BEEN DEVELOPED AS A THIXOTROPIC EASY TO APPLY ADHESIVE WITH EXCELLENT ADHESION TO FRP, SMC, GRP AND OTHER PLASTICS. THE ADHESIVE ALSO BONDS METALS AND COMBINATIONS OF DISSIMILAR SUBSTRATES. PERFORMANCE CHARACTERISTICS INCLUDE LOW EXOTHERM, LOW SHRINKAGE AND NON-SLUMPING PROPERTIES ACCOMMODATING A VARIETY OF APPLICATION REQUIREMENTS. THE EXCEPTIONAL STRENGTH OF THE STRUCTURAL ADHESIVE RANGE TO MANY SUBSTRATES HAS PROVED A REAL ADVANTAGE TO USERS, GIVING THEM A LEVEL OF PERFORMANCE ONLY NORMALLY ASSOCIATED WITH EPOXY ADHESIVES. THIS, TOGETHER WITH THE RIGIDITY, NON-SLUMP AND APPLICATION TECHNIQUES OF POLYURETHANE ADHESIVES COMBINED WITH SHORT CURE CYCLES HAS FOUND USE IN MANY DIVERSE APPLICATIONS

Section 1: Summary

CONTENT INVENTORY

- Threshold per material
- 100 ppm
 - 1,000 ppm
 - Per GHS SDS
 - Per OSHA MSDS
 - Other

Residuals and impurities considered in 0 of 2 materials

- see Section 2: Material Notes
- see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Are the Percent Weight and Role provided for all substances?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Screened.....	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Are all substances screened using Priority Hazard Lists with results disclosed?	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Identified.....	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Are all substances disclosed by Name (Specific or Generic) and Identifier?	<input type="radio"/> Yes	<input checked="" type="radio"/> No

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..... 0
 Contents highest concern GreenScreen Benchmark or List translator Score..... BM-1
 Nanomaterial..... No

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

BONDSEAL - 7310 PART A [BRANCHED POLYALCOHOL WITH ESTER AND ETHER GROUPS PREPARATION UNK POLYETHER POLYOL LT-UNK CALCIUM CARBONATE COATED WITH CALCIUM STEARATE UNK SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA LT-UNK ZEOLITE LT-UNK CASTOR OIL NoGS DIISOCTYL 2,2'-[(DIOCTYLSTANNYLENE)BIS(THIO)]DIACETATE UNK ISOCTYL MERCAPTOACETATE UNK] BONDSEAL - 7310 PART B [DIPHENYLMETHANE-DIISOCYANATE, ISOMERS & HOMOLOGUES UNK POLYETHER POLYOL UNK SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA LT-UNK BIS(TRIMETHOXYSILYL)PROPYLENEAMINE UNK METHANOL BM-1 | MAM | DEV | END | MUL | PHY]

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC content: MAS Low -Emitting Materials Certified Green - TVOC at 14 Days

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: May 11, 2017	EXPIRY DATE*: May 11, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: May 11, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

BONDSEAL - 7310 PART A %: 50.0000 - 50.0000 HPD URL:

Inventory Threshold: Per OSHA MSDS Residuals Considered: No

Material Notes:

BRANCHED POLYALCOHOL WITH ESTER AND ETHER GROUPS PREPARATION ID:

%: 40.0840 - 40.0840 GS: UNK RC: UNK NANO: NO ROLE:

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYETHER POLYOL ID: 9082-00-2

%: 40.0840 - 40.0840 GS: LT-UNK RC: UNK NANO: NO ROLE:

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CALCIUM CARBONATE COATED WITH CALCIUM STEARATE ID:

%: 9.4180 - 9.4180 GS: UNK RC: UNK NANO: NO ROLE:

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA ID: 67762-90-7

%: 5.8530 - 5.8530 GS: LT-UNK RC: UNK NANO: NO ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZEOLITE

ID: 1318-02-1

%: 2.1970 - 2.1970

GS: LT-UNK

RC: UNK

NANO: NO

ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

CASTOR OIL

ID: 8001-79-4

%: 2.1970 - 2.1970

GS: NoGS

RC: UNK

NANO: NO

ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

DIISOCTYL 2,2'-[(DIOCTYLSTANNYLENE)BIS(THIO)]DIACETATE

ID: 26401-97-8

%: 0.1336 - 0.1336

GS: UNK

RC: UNK

NANO: NO

ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ISOCTYL MERCAPTOACETATE

ID: 25103-09-7

%: 0.0040 - 0.0040

GS: UNK

RC: UNK

NANO: NO

ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

Inventory Threshold: Per OSHA MSDS Residuals Considered: No

Material Notes:

DIPHENYLMETHANE-DIISOCYANATE, ISOMERS & HOMOLOGUES

ID: 9016-87-9

%: 60.4800 - 60.4800

GS: UNK

RC: UNK

NANO: NO

ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYETHER POLYOL

ID:

%: 33.8000 - 33.8000

GS: UNK

RC: UNK

NANO: NO

ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA

ID: 67762-90-7

%: 4.7200 - 4.7200

GS: LT-UNK

RC: UNK

NANO: NO

ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

BIS(TRIMETHOXYSILYLPROPYL)AMINE

ID: 82985-35-1

%: 0.9950 - 0.9950

GS: UNK

RC: UNK

NANO: NO

ROLE:

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

METHANOL

ID: 67-56-1

%: 0.0050 - 0.0050

GS: BM-1

RC: UNK

NANO: NO

ROLE:

HAZARDS:		AGENCY(IES) WITH WARNINGS:
MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
MAMMALIAN	EU - R-phrases	R24 - Toxic in Contact with Skin
MAMMALIAN	EU - R-phrases	R25 - Toxic if Swallowed
ORGAN TOXICANT	EU - R-phrases	R39 - Danger of very serious irreversible effects
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
ORGAN TOXICANT	EU - GHS (H-Statements)	H370 - Causes damage to organs
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
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 CONTENT

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES:

CERTIFICATE URL:

https://media.wix.com/ugd/c3b0ae_cb26ad34a6554cccaf3d749f80ebbe30.pdf

CERTIFICATION AND COMPLIANCE NOTES: Compliance - LEED v4 ID+C, BD+C low-emitting adhesive / Designation - TVOC Emissions at 14-days less than 0.5mg/m / Certificate - MAS 1700488 /

MAS Low -Emitting Materials Certified Green - TVOC at 14 Days

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2017-05-01	2018-05-01	MAS Certified Green

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.

Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: Chemique Adhesives Inc.

CONTACT NAME: Chemique

ADDRESS: 3050 Matlock Drive
Kennesaw, Georgia 30024
United States

TITLE: Chemique Technical

PHONE: 7703101289

WEBSITE: www.chemiqueadhesives.com

EMAIL: sales@chemiqueadhesives.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.