

HPD UNIQUE IDENTIFIER: 28128

CLASSIFICATION: 23 07 19 HVAC Piping Insulation

PRODUCT DESCRIPTION: FOSTER® LAGFAS® Adhesive/Coating is a water-based, polyvinyl acetate emulsion adhesive with typical quicksetting properties, used extensively for adhering and sizing canvas and glass cloths, and other types of fabric covering over thermal insulation installed indoors. It presents a neat, white, cleanable finish, and will not yellow or become discolored with age. Cotton fabrics shrink tight and smooth onto the insulation.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	All Substances Above the Threshold Indicated Are:
☐ Nested Materials Method	☐ 100 ppm	☒ Considered	Characterized ☐ Yes Ex/SC ☒ Yes ☐ No
☒ Basic Method	☒ 1,000 ppm	☐ Partially Considered	% weight and role provided for all substances.
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Considered	Screened ☐ Yes Ex/SC ☒ Yes ☐ No
☐ Material	☐ Other	Explanation(s) provided for Residuals/Impurities?	All substances screened using Priority Hazard Lists with results disclosed.
☒ Product		☒ Yes ☐ No	Identified ☐ Yes Ex/SC ☐ Yes ☒ No
			One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

FOSTER® LAGFAS® 81-42W [UNDISCLOSED BM-4 UNDISCLOSED LT-P1 | CAN | END | AQU | PBT ALKANES, CHLORO LT-P1 | CAN | AQU | PBT CALCIUM CARBONATE BM-3 UNDISCLOSED LT-UNK KAOLIN LT-UNK | CAN TITANIUM DIOXIDE LT-1 | CAN | END UNDISCLOSED BM-2 | CAN | END | DEV | REP | PHY UNDISCLOSED LT-P1 | END]

Number of Greenscreen BM-4/BM3 contents ... 2

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Product was screened by CAS information down to 1000 ppm as known to H.B. Fuller Company. For Materials or Substances representing the Unknown CAS of the product, only SDS level disclosure is possible because suppliers declined to provide information or information was intentionally kept proprietary.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 10 Regulatory (g/l): 10

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: MAS Certified Green - VOC Emissions

VOC content: VOC Content

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2022-04-07
☐ Yes	VERIFIER:	PUBLISHED DATE: 2022-04-07
☒ No	VERIFICATION #:	EXPIRY DATE: 2025-04-07

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

FOSTER® LAGFAS® 81-42W

PRODUCT THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Yes		
RESIDUALS AND IMPURITIES NOTES: Impurities above the reporting threshold have been included in this HPD.				
OTHER PRODUCT NOTES:				
UNDISCLOSED		ID: Undisclosed		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-07 15:25:18		
%: 30.0000 - 60.0000	GS: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.				

UNDISCLOSED			ID: Undisclosed		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2022-04-07 15:25:18		
%: 10.0000 - 30.0000		GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Flame retardant
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
END	ChemSec - SIN List		Endocrine Disruption		
AQU	US EPA - PPT Chemical Action Plans		Highly toxic to aquatic organisms		
PBT	EC - CEPA DSL		Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)		
PBT	OSPAR - Priority PBTs & EDs & equivalent concern		PBT - Substance of Possible Concern		
SUBSTANCE NOTES: Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.					

ALKANES, CHLORO		ID: 61788-76-9
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		
HAZARD SCREENING DATE: 2022-04-07 15:25:18		

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
AQU	US EPA - PPT Chemical Action Plans	Highly toxic to aquatic organisms
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBITE) to the Environment (based on aquatic organisms)
PBT	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)

SUBSTANCE NOTES: Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-04-07 15:25:19

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

SUBSTANCE NOTES: Used as intended, this component is encapsulated and not respirable. During normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk. Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-04-07 15:25:19

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

SUBSTANCE NOTES: Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.

KAOLIN

ID: 1332-58-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-04-07 15:25:20

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Used as intended, this component is encapsulated and not respirable. During normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk. Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-07 15:25:20			
%: 1.0000 - 10.0000		GS: LT-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	US CDC - Occupational Carcinogens		Occupational Carcinogen		
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		
CAN	MAK		Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
CAN	MAK		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
SUBSTANCE NOTES: Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-07 15:23:32			
%: 1.0000 - 10.0000		GS: BM-2	RC: UNK	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	AGENCY AND LIST TITLES		WARNINGS		
CAN	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
CAN	IARC		Group 1 - Agent is Carcinogenic to humans		
CAN	MAK		Carcinogen Group 5 - Genotoxic carcinogen with very slight risk under MAK/BAT levels		
DEV	CA EPA - Prop 65		Developmental - specific to chemical form or exposure route		
CAN	GHS - Japan		H350 - May cause cancer [Carcinogenicity - Category 1A]		
REP	GHS - Japan		H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]		
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1		H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]		
SUBSTANCE NOTES: Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.					

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-04-07 15:24:54		
%: 0.0000 - 1.0000	GS: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
SUBSTANCE NOTES: Components listed as undisclosed are proprietary to formulation but have been screened by their CAS number and hazards are listed. All GHS Hazardous components are disclosed by CAS and chemical name.				

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	MAS Certified Green - VOC Emissions		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All Facilities CERTIFICATE URL: https://mascertifiedgreen.com/wp-content/uploads/2021/08/2022-08_HB-Fuller_Group-2-Weather-Barrier-Coatings_2100525-05.pdf CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2021-08-16	EXPIRY DATE:	CERTIFIER OR LAB: Materials Analytical Services, LLC
VOC CONTENT	VOC Content		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: All Applicable Facilities CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2021-04-07	EXPIRY DATE:	CERTIFIER OR LAB: Self Certified

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

This HPD was created with the HPDC HPD Basic Inventory Builder. Please note that this information is based on data provided to H.B. Fuller by our raw material suppliers. More information on our product can be found on the product Safety Data Sheet (SDS).

MANUFACTURER INFORMATION

MANUFACTURER: H.B. Fuller Company
ADDRESS: H.B. Fuller Construction Products
1105 S FRONTENAC ST
AURORA Illinois 60504, United States
WEBSITE: <http://fosterproducts.com/>

CONTACT NAME: Regulatory Group
TITLE: Regulatory Specialist
PHONE: 6512365153
EMAIL: GreenInfo@hbfuller.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.