

1 GENERAL INFORMATION

Product Identification Information	Product Description	Manufacturer Contact Information
Manufacturer: <input type="text" value="Knauf Insulation"/> Product ID: <input type="text" value="Manson Alley-K Pipe Insulation"/> CSI MasterFormat(s): <input type="text" value="15083"/> Manufacturer URL: <input type="text" value="www.knaufinsualtion.us"/> Product URL: <input type="text" value="imanson.com"/>	Glass fiber based pipe insulation having a high degree of post consumer recycled glass content and PF Binder. This is a UL classified product having an All Service Jacket ASJ that has a flame spread not greater than 25 and a smoke developed no greater than 50.	Contact Name: <input type="text" value="Scott Miller"/> Phone: <input type="text" value="(317) 421-8704"/> Email: <input type="text" value="scott.miller@knaufinsulation.com"/> Mailing Address: <input type="text" value="Knauf Insulation One Knauf Drive Shelbyville, IN 46176"/>

2 CONTENTS DISCLOSURE

Certifying Party*: 1st 2nd 3rd
* First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Disclosure level of intentionally added content (100% is ideal): %

All known residuals disclosed to:

The manufacturer affirms that all known material content were screened for chemicals of concern and health warning listings using:

All ingredients to be screened against chemicals listed on any of the Health Product Declaration Priority lists at www.hpworkinggroup.org/prioritylists.

All ingredients are assessed against the HPD Priority Lists (check at least one):

- High Hazards List
- Precautionary Lists
- Building Certification Lists
- Other:

Total Volatile Organic Compound Content

Material: g/l

Regulatory: g/l

Total incl. EPA exempt: g/l

Zero VOC tints: Yes No N/A

3 CONTENTS IN ORDER OF QUANTITY (Complete list continues onto next page)

Name	Identifier	%	Health Hazard Warnings and Certification Lists	PC* PI*		yes no		Role
				RC* %	Nano*			
1 Glass (post consumer)	65997-17-3	48.32	No warnings found	100	0	<input type="radio"/>	<input checked="" type="radio"/>	Glass Batch Ingredient
2 Silica Sand	14808-60-7	36.3	Green Screen Benchmark 1; US CDC Red Occupational carcinogen, NIOSH Red Occupational carcinogen, IARC Red Known Carcinogen, US NIH Orange, Cal EPA Orange	0	0	<input type="radio"/>	<input checked="" type="radio"/>	Glass Batch Ingredient
3 Borax	12179-04-3	8.31	Red reproductive toxicant EU possible Occupational hazard	0	0	<input type="radio"/>	<input checked="" type="radio"/>	Glass Batch Ingredient
4 Soda Ash	97328-76-2	6.86	Eye Irritant EC Yellow, possible Occupational Hazard	0	0	<input type="radio"/>	<input checked="" type="radio"/>	Glass Batch Ingredient
5 Dextrose	50-99-7	5.28	Restricted Blue Germany water hazard	0	0	<input type="radio"/>	<input checked="" type="radio"/>	Ecosse Binder Ingredient

COMPLETE LISTING OF ALL INGREDIENTS CONTINUES ON PAGE 2

* RC = Recycled Content; PC = Post Consumer, PI = Post Industrial (Pre-consumer) / Nano = comprised of nanoscale particles or nanotechnology

3 CONTENTS IN ORDER OF QUANTITY *continued...*

* RC = Recycled Content: PC = Post Consumer, PI = Post Industrial (Pre-consumer) / Nano = comprised of nanoscale particles or nanotechnology

Name	Identifier	%	Health Hazard Warnings and Certification Lists	PC*		PI*		Nano*		Role
				RC* %		yes	no	yes	no	
6 Dolomite Limestone	16389-88-1	3.31	Nothing Found	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Glass Batch Ingredient
7 Paper	65996-61-4	2.67	Nothing Found	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Part of the Facer laminate
8 Nepheline Syenite	37244-96-5	2.02	Nothing Found	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Glass Batch Ingredient
9 Water Based Adhesive	none	1.57	Not disclosed by the supplier of the facer material	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Part of the Facer Laminate
10 PF Resin	9003-35-4	0.88	Nothing Found	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Binder adhesive
11 Aluminum Foil	7429-90-5	0.68	Nothing found for 0.035 mil foil form as purchased by the supplier	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Part of the Facer laminate
12 Glass Fiber Yarns	65997-17-3	0.68	Nothing Found	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Part of the Facer laminate
13				0	0			<input type="radio"/>	<input checked="" type="radio"/>	
14 Manganese Dioxide	1313-13-5	0.59	Yellow Mammalian hazard by inhalation, potential occupational hazard	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Glass Batch Ingredient
15 Fire Retardant (not deca, penta or octa)	none	0.27	Not disclosed by the supplier of the facer material. It could be a chlorinated variety but is not deca, octa or penta.	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Part of the Facer laminate
16 Antimony Trioxide	1309-64-4	0.27	Green Score possible benchmark one, Red Cancer Hazard by CA EPA, Red Reproductive toxicant by CAProp 65	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Part of the Facer laminate
17 Hot Melt Adhesive	None	0.3	Nothing Found	0	0			<input type="radio"/>	<input checked="" type="radio"/>	Bonds laminate to glass fiber

3 CONTENTS IN ORDER OF QUANTITY *continued...*

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Name	Identifier	%	Health Hazard Warnings and Certification Lists	PC*		PI*		yes no		Role
				RC* %						
18 Gama-aminopropyltriethoxy silane	919-30-2	0.02	Very High Hazard Orange EC, (Severe skin and eye burns)possible occupational ; Yellow Mammalian Medium Hazard EC Harmful if swallowed possible occupational, Blue Restricted Water Hazard low	0	0			<input type="radio"/>	<input checked="" type="radio"/>	fiber surface enhancement
19								<input type="radio"/>	<input type="radio"/>	
20								<input type="radio"/>	<input type="radio"/>	
21								<input type="radio"/>	<input type="radio"/>	
22								<input type="radio"/>	<input type="radio"/>	
23								<input type="radio"/>	<input type="radio"/>	
24								<input type="radio"/>	<input type="radio"/>	
25								<input type="radio"/>	<input type="radio"/>	
26								<input type="radio"/>	<input type="radio"/>	
27								<input type="radio"/>	<input type="radio"/>	
28								<input type="radio"/>	<input type="radio"/>	
29								<input type="radio"/>	<input type="radio"/>	

3 CONTENTS IN ORDER OF QUANTITY *continued...*

* RC = Recycled Content: PC = Post Consumer, PI = Post Industrial (Pre-consumer) / Nano = comprised of nanoscale particles or nanotechnology

Name	Identifier	%	Health Hazard Warnings and Certification Lists	PC*	PI*	yes	no	Role
				RC* %	Nano*			
30						<input type="radio"/>	<input type="radio"/>	
31						<input type="radio"/>	<input type="radio"/>	
32						<input type="radio"/>	<input type="radio"/>	
33						<input type="radio"/>	<input type="radio"/>	
34						<input type="radio"/>	<input type="radio"/>	
35						<input type="radio"/>	<input type="radio"/>	
36						<input type="radio"/>	<input type="radio"/>	
37						<input type="radio"/>	<input type="radio"/>	
38						<input type="radio"/>	<input type="radio"/>	
39						<input type="radio"/>	<input type="radio"/>	
40						<input type="radio"/>	<input type="radio"/>	
41						<input type="radio"/>	<input type="radio"/>	

3 CONTENTS IN ORDER OF QUANTITY *continued...*

* RC = Recycled Content: PC = Post Consumer, PI = Post Industrial (Pre-consumer) / Nano = comprised of nanoscale particles or nanotechnology

Name	Identifier	%	Health Hazard Warnings and Certification Lists	PC*	PI*	yes	no	Role
				RC* %	Nano*			
42						<input type="radio"/>	<input type="radio"/>	
43						<input type="radio"/>	<input type="radio"/>	
44						<input type="radio"/>	<input type="radio"/>	
45						<input type="radio"/>	<input type="radio"/>	
46						<input type="radio"/>	<input type="radio"/>	
47						<input type="radio"/>	<input type="radio"/>	
48						<input type="radio"/>	<input type="radio"/>	
49						<input type="radio"/>	<input type="radio"/>	
50						<input type="radio"/>	<input type="radio"/>	
51						<input type="radio"/>	<input type="radio"/>	
52						<input type="radio"/>	<input type="radio"/>	
53						<input type="radio"/>	<input type="radio"/>	

4 TESTING AND CERTIFICATIONS

Type	Standard or Certification	Certifier / Laboratory	Certifying Party*				Date / Expiration	Certificate URL	Applicable Facilities	CDPH*	
			1st	2nd	3rd	n/a				yes	no
VOC Emissions <i>(interior product only)</i>	GREENGUARD Children and Schools	GREENGUARD/Air Quality Sciences See note 4-1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	11/30/16	http://www.greenguard.org/en/ProductDetail.aspx?productID=13166&BrandID=358	Shelbyville, IN	<input type="radio"/>	<input checked="" type="radio"/>
VOC Content <i>(wet applied only)</i>	NA		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
Recycled Content			<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>					
Other Certification	UL-723 Fire Hazard Classification	UL Fire Safety Engineering	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	12/30/12	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/showpage.html?	Shelbyville, IN		
Other Certification	EUCEB See note 4-3	Franhauffer et al	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	7/1/12	http://www.euceb.org/uploads/Modules/Plants/218.pdf	Shelbyville, IN		
Other Certification			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
Other Certification			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
Other Certification			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					

* **Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).
Applicable facilities = Manufacturing sites to which testing applies. **CDPH** = VOC emissions certification is per California Department of Public Health Standard Method V1.1.

5 ACCESSORY MATERIALS

This section is for additional products required for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning or operations. Refer to listed Health Product Declarations for Accessory Materials to get complete view of those products.



- 1 Required / Recommended Product: 3 inch wide Butt Strip Tape with pressure sensitive adhesive
Condition When Required: at every 3 feet where adjacent sections meet on the pipe, made of the same material as the facer
Health Product Declaration URL:
- 2 Required / Recommended Product:
Condition When Required:
Health Product Declaration URL:
- 3 Required / Recommended Product:
Condition When Required:
Health Product Declaration URL:
- 4 Required / Recommended Product:
Condition When Required:
Health Product Declaration URL:
- 5 Required / Recommended Product:
Condition When Required:
Health Product Declaration URL:
- 6 Required / Recommended Product:
Condition When Required:
Health Product Declaration URL:
- 7 Required / Recommended Product:
Condition When Required:
Health Product Declaration URL:
- 8 Required / Recommended Product:
Condition When Required:
Health Product Declaration URL:

6 CERTIFICATION OF THE DECLARATION

This Declaration is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. This Declaration is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes. This Declaration is not a full assessment of environmental impacts from the life cycle of this product.

Certification Date: May 14, 2012

Certification Expiration:

Certifying Party*:

1st 2nd 3rd

* **Certifying Party** = First: Manufacturer's self-declaration;
Second: Verification by trade association or other interested party;
Third: Verification by independent certifier (ideal).

Certifying Organization
or Officer:

NA

Certificate Number:

NA

Certificate URL:

NA

Product Image(s):

Accuracy of claims made in this Declaration is the sole responsibility of the manufacturer and the certifier, if any, listed in Section 6. The Health Product Declaration Working Group, Healthy Building Network and Building Green do not warrant any claim made in this Declaration, explicit or implicit. This Pilot Health Product Declaration was generated during the HPD Pilot Program following the requirements of the Pilot and is not a final Health Product Declaration. Users should request an HPD compliant with the most current version of the Health Product Declaration Open Standard.

The Health Product Declaration (HPD) is an open standard format developed by the HPD Working Group, with the support of the Materials Research Collaborative, a non-profit collaboration of the Healthy Building Network and Building Green. This form for the HPD Pilot Program was created with design assistance from Perkins+Will.

For more information about the Open Standard and its release schedule, visit www.hpdworkinggroup.org



7 [NOTATIONS]

Section Number	Note [#]	Comment / Notation / Overflow
4	[1]	While CDPH certification has not been acquired on this product, all ECOSE based products can easily satisfy the CA protocol, and would be acquired if requested.
4	[2]	The post consumer content is curb-side pick-up from major metro areas, mostly composed of beer and wine bottles. All bulk incoming glass cullet is x-rayed for contaminants. There is also a tight tolerance on organic contamination, and absolutely no ceramic material allowed.
4	[3]	EUCEB Certification is a rigorous quarterly testing that Knauf maintains at all of its US facilities to assure all formulations are biosoluble. We receive quarterly certification test letters after we are tested (audited). Copies for these letters can be made available to you. The certificate URL provided to you is for the parent formulation appraisal. Hence, the manufacturing plant is audited quarterly to make sure the exonerated formulation has not been changed.
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7 [NOTATIONS]

Section Number	Note [#]	Comment / Notation / Overflow
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8 SOURCES FOR HEALTH HAZARD WARNINGS

Abbreviation	List Title	Issuing Agency	URL
1	The Pharos Project was used to assess all ingredients relative to the GreenScreen Benchmarks		
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8 SOURCES FOR HEALTH HAZARD WARNINGS

Abbreviation	List Title	Issuing Agency	URL
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