



INNOVATIONS FOR LIVING™

Personal Protective Equipment		WHMIS Pictograms
Protective Gloves	Safety Glasses	D2A Toxic

SECTION 1 : IDENTIFICATION

Product Name: Fiberglas® Duct Liner Board
MSDS Manufacturer Number: 1000707-NAM
Manufacturer Name: Owens Corning Insulating Systems, LLC
Address: One Owens Corning Parkway
 Toledo, OH 43659
Customer Service Phone Number: 1-800-GET-PINK or 1-800-438-7465
Health Issues Information: 1-800-GET-PINK or 1-800-438-7465
Technical Product Information: 1-800-GET-PINK or 1-800-438-7465
Emergency Phone Number: 1-419-248-5330 (after 5pm ET and weekends)
CHEMTREC: 800-424-9300 (24 hours everyday).
Canutec: (613) 996-6666 (Canada 24 hours everyday).
Website: www.owenscorning.com
MSDS Creation Date: November 30, 2004
MSDS Revision Date: January 14, 2013

SECTION 2 : HAZARD(S) IDENTIFICATION**Applies to Product**

Emergency Overview: Exposure to dust may be irritating to eyes, nose, and throat.
Route of Exposure: Eye contact
 Skin contact
 Inhalation.
Potential Health Effects:
Eye: May cause slight irritation.
Skin: May cause slight skin irritation.
Inhalation: May cause irritation of respiratory tract.
Ingestion: Ingestion of this product is unlikely.
Chronic Health Effects: There is no known chronic health effect connected with long-term use or contact with this product.
Carcinogenicity: This product contains a component which is listed by IARC, OSHA or NTP. See Section 11 for additional information.
Potential Environmental Effects: There is no known ecological information for this material.
Aggravation of Pre-Existing Conditions: Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.
OSHA Regulatory Status: This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Fiber Glass (Wool)	65997-17-3	76 - 94 by weight	266-046-0
Cured Binder	N/A	3.6 - 14.55 by weight	
Carbon black	1333-86-4	10 by weight	215-609-9
Chopped continuous filament Fiber Glass	65997-17-3	5 by weight	266-046-0
Latex copolymer emulsion	Not Available	1.25 by weight	

As manufactured continuous filament glass fibers are non-respirable. Continuous filament glass products that are chopped, crushed or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate, some of which may be glass shards. See Section 8 for Exposure Limit Data.

Non-Hazardous Statement: The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

As manufactured continuous filament glass fibers are non-respirable. Continuous filament glass products that are chopped, crushed or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate, some of which may be glass shards. See Section 8 for Exposure Limit Data.

SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Do not rub or scratch eyes. If eye irritation persists, consult a specialist.
Skin Contact:	Wash off immediately with soap and cold water. DO NOT use warm water because this will open up the pores of the skin, which will cause further penetration of the fibers. Use a wash cloth to help remove fibers. DO NOT rub or scratch affected areas. Remove contaminated clothing. If irritation persists get medical attention. Never use compressed air to remove fibers from the skin. If fibers are seen penetrating from the skin, the fibers can be removed by applying and removing adhesive tape so that the fibers adhere to the tape and are pulled out of the skin.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. Rinse mouth with water and drink water to remove fibers from the throat. If symptoms persist, call a physician.
Note to Physicians:	Treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

Flammable Properties:	Non Flammable.
Flash Point:	None.
Flash Point Method:	Not applicable.
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	dry chemical foam. carbon dioxide (CO2). water fog
Protective Equipment:	Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear.
Unusual Fire Hazards:	Hydrogen chloride to be released from the PVC barrier and vinyl facings during a fire.
Hazardous Combustion Byproducts:	Carbon monoxide. Carbon dioxide. Ammonia. Other undetermined compounds could be released in small quantities.
Universal Fire And Explosion Hazards:	Not available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Avoid contact with skin and eyes.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so.
Methods for containment:	This material will settle out of the air. Prevent from spreading by covering, diking or other means.
Methods for cleanup:	Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination. Avoid dry sweeping. Pick up and transfer to properly labeled containers.
Other Precautions:	Does not apply.

SECTION 7 : HANDLING and STORAGE

Handling:	Avoid dust formation. Do not breathe dust. Wear personal protective equipment.
Storage:	Keep product in its packaging until use to minimize potential dust generation. Product should be kept dry and undercover.
Hygiene Practices:	Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits. Dust collection system must be used in transferring operations, cutting or machining or other dust generating processes, such as using power tools. Vacuum or wet clean-up methods should be used.
Eye/Face Protection:	Safety glasses with side-shields.
Skin Protection Description:	Protective gloves. Long sleeved shirt and long pants.
Respiratory Protection:	When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended.
Other Protective:	When the temperature of the surface being insulated exceeds 250°F (121°C), including initial startup, the binder in these products may undergo various degrees of decomposition depending on the temperature in the application. The need for respiratory protection will vary according to the airborne concentration of the decomposition products released and accumulated in the area. Wear the appropriate respiratory protection according to the conditions and exposure levels in the area.
General Hygiene Considerations:	Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

EXPOSURE GUIDELINES

Ingredient	Guideline OSHA	Guideline NIOSH	Guideline ACGIH	Ontario Canada	Mexico
Fiber Glass (Wool)	PEL-TWA: 1 f/cc (Respirable)		TLV-TWA: 1 f/cc (Respirable)	TWAEV-TWA: 0.05 mg/m3 or 1 f/cc STEL: 0.6 mg/m3	TWA: 0.15 mg/m3
Carbon black		REL-TWA: 0.1 mg/m3 as Carbon black REL-TWA: 3.5 mg/m3 as Carbon black	TLV-TWA: 3 mg/m3 Inhalable fraction (I)		VEMP-TWA: 3.5 mg/m3
Chopped continuous filament Fiber Glass	PEL-TWA: 1 f/cc (Respirable)		TLV-TWA: 1 f/cc (Respirable) 5 mg/m3 (Inhalable)	TWAEV: 1 f/cc (Respirable) 5 mg/m3 (Inhalable)	TWA: 10 mg/m3

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Fibrous.
Odor:	organic.
Boiling Point:	No Data
Melting Point:	No Data
Specific Gravity:	No Data
Solubility:	Insoluble. in water.
Vapor Density:	No Data
Vapor Pressure:	No Data
Evaporation Rate:	No Data
pH:	No Data
Viscosity:	Not applicable.
Flash Point:	None.
Flash Point Method:	Not applicable.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Conditions to Avoid:	None expected
Incompatible Materials:	No materials to be especially mentioned.
Special Decomposition Products:	See Section 5 of MSDS for hazardous decomposition products during a fire.

SECTION 11 : TOXICOLOGICAL INFORMATION**Applies to Product :**

Acute Toxicity:	Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion, and chest tightness.
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Carcinogens:

	ACGIH	NIOSH	OSHA	IARC	NTP		MEXICO
Fiber Glass (Wool)	A3 Animal Carcinogen	No Data	No Data	Group 3 - Not Classifiable as to its Carcinogenicity to Humans.	Biosoluble glass wool is not considered to be carcinogenic.		A3 Animal Carcinogen
Cured Binder	No Data	No Data	No Data	No Data	No Data		No Data
Carbon black		NIOSH carcinogen	No Data	Group 2B - Possibly carcinogenic to humans.	No Data		A4 Not Classifiable as a Human Carcinogen
Chopped continuous filament Fiber Glass	A4 Not Classifiable as a Human Carcinogen	No Data	No Data	Group 3 - Not Classifiable as to its Carcinogenicity to Humans.	No Data		No Data

Applies to Product :

Sensitization: No information available.

Mutagenicity: No information available.

Reproductive Toxicity: No information available.

Teratogenicity: No information available.

Neurological Effects: No information available.

Fiber Glass (Wool) :

Chronic Effects: In June 2011, The National Toxicology Program (NTP) removed biosoluble glass wool fibers from its list of possible carcinogens used for home and building insulation. In October 2001, the International Agency for Research on Cancer (IARC) classified fiber glass wool as Group 3, "not classifiable as to its carcinogenicity to humans". The 2001 decision was based on human studies and animal research that have not shown an association between inhalation exposure to dust from fiber glass wool and the development of respiratory disease.

Cured Binder :

Ingestion: Ingestion - Rat LD50: 7 gm/kg - [Autonomic Nervous System - Other (direct) parasympathomimetic Behavioral - Muscle weakness Lungs, Thorax, or Respiration - Respiratory depression](RTECS)

Carbon black :

Skin: Skin - Rabbit LD50: >3 gm/kg - [Details of toxic effects not reported other than lethal dose value]
Skin - Rat TDLo: 11 gm/kg/4W (Intermittent) [Blood - Pigmented or nucleated red blood cells; Liver - Changes in liver weight; Nutritional and Gross Metabolic - Weight loss or decreased weight gain](RTECS)

Inhalation: Inhalation - Rat TCLo - Lowest published toxic concentration: 7 mg/m³ - [Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (Intermediary) - Effect on inflammation or mediation of inflammation] (RTECS)

Ingestion: Inhalation - Rat LD50: >15400 mg/kg [Behavioral - Somnolence (general depressed activity)](RTECS)

Chopped continuous filament Fiber Glass :

Inhalation: Inhalation - Rat TCLo: 16 mg/m³/6H/13W (Intermittent) [Lungs, Thorax, or Respiration - Other changes]
Inhalation - Rat TCLo: 5 mg/m³/7H/90W (Intermittent) [Tumorigenic - carcinogenic by RTECS criteria; Blood - Leukemia](RTECS)

SECTION 12 : ECOLOGICAL INFORMATION**Applies to Product :**

Ecotoxicity: This material is not expected to cause harm to animals, plants or fish.

Environmental Fate: No data available for this product.

Bioaccumulation: Not available.

Biodegradation: Not available.

Mobility In Environmental Media: Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS**Applies to Product :**

Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations.

RCRA Number: No EPA Waste Numbers are applicable for this product's components.

SECTION 14 : TRANSPORT INFORMATION

Notes : This product is not regulated for shipping or transportation.

SECTION 15 : REGULATORY INFORMATION

Inventory Status

	Japan ENCS	EINECS Number	China	South Korea KECL	Australia AICS
Fiber Glass (Wool)	Not listed	266-046-0	Listed	KE-17630	Listed
Cured Binder	Not listed		Listed	KE-35185	Listed
Carbon black	(5)-3328	215-609-9		KE-04682	Listed
Chopped continuous filament Fiber Glass	Not listed	266-046-0	Listed	KE-17630	Listed

	Canada DSL	TSCA Inventory Status			
Fiber Glass (Wool)	Listed	Listed			
Cured Binder	Listed	Listed			
Carbon black	Listed	Listed			
Chopped continuous filament Fiber Glass	Listed	Listed			

Applies to Product :

Canada WHMIS:

Controlled - Class: D2A Very Toxic

CA PROP 65:

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
 WARNING! This product contains a chemical known to the State of California to cause cancer.

SARA:

This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372).

Section 311/312 Hazard
 Categories:

Acute Health Hazard.:	Yes
Chronic Health Hazard:	Yes
Risk of Ignition.:	No
Sudden Release of Pressure Hazard.:	No
Reactive Hazard:	No

Clean Air Act:

This product does not contain any Hazardous Air Pollutants (HAPs).

Carbon black:

Canada IDL:

Identified under the Canadian Hazardous Products Act Ingredient Disclosure List: 1%. Item: 309(1271)

CA PROP 65:

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
 WARNING! This product contains a chemical known to the State of California to cause cancer.

Fiber Glass (Wool) :

EC Number:

266-046-0

Carbon black:

EC Number:

215-609-9

Chopped continuous filament Fiber Glass:

EC Number:

266-046-0

State Right To Know

	RI	MN	IL	PA	MA
Fiber Glass (Wool)	Listed	Listed	Listed	Listed	Listed
Cured Binder	No Data	No Data	No Data	No Data	No Data
Carbon black	Listed	Listed	Listed	Listed	Listed
Chopped continuous filament Fiber Glass	No Data	Listed	No Data	No Data	No Data

	NJ				
Fiber Glass (Wool)	No Data				
Cured Binder	No Data				
Carbon black	No Data				
Chopped continuous filament Fiber Glass	No Data				

SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date:

November 30, 2004

MSDS Revision Date:

January 14, 2013

MSDS Revision Notes:

Section 11 Updated with 2011 NTP Evaluation

MSDS Author:

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Disclaimer:

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this

information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

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