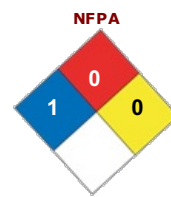




Personal Protective Equipment Protective Gloves Safety Glasses	WHMIS Pictograms D2B Toxic	DOT Pictograms Not Regulated	IATA Pictograms Not Regulated
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SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: Duraflex® Insulation - Uncoated
MSDS Manufacturer Number: 16742-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).
Canotec: (613) 996-6666 (Canada 24 hours everyday).
Website: www.owenscorning.com
MSDS Creation Date: November 01, 1993
MSDS Revision Date: October 15, 2012



SECTION 3 : HAZARDS IDENTIFICATION

Applies to Product

Emergency Overview: No unusual conditions are expected from this product under normal conditions of use.
Route of Exposure: Eye contact
 Skin contact
 Inhalation.
Potential Health Effects:
Eye: May cause irritation.
Skin: May cause skin irritation.
Inhalation: May cause irritation of respiratory tract.
Ingestion: Ingestion of this product is unlikely.
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: A constituent of this product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Fiber Glass (continuous filament, non-respirable)	65997-17-3	81 - 91 by weight	266-046-0
Phenol, polymer with formaldehyde	9003-35-4	9 - 19 by weight	500-005-2

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.

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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.
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.
Hazardous Combustion Byproducts:	Carbon monoxide. Carbon dioxide. hydrogen. Other undetermined compounds could be released in small quantities.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	0

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.

SECTION 7 : HANDLING and STORAGE

Handling:	Keep packages tightly closed in a dry, cool and well-ventilated place. Avoid dust formation Avoid breathing dust and contact with eyes, skin and clothing. Wear personal protective equipment.
Storage:	Keep product in its packaging until use to minimize potential dust generation. There is a potential for formaldehyde to be released after the product has been stored and the packages are initially opened. Product should be kept cool, dry and undercover. If product is heated, there is a potential for formaldehyde off-gassing.
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.
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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.
- 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 ACGIH	Ontario Canada	Mexico	
Fiber Glass (continuous filament, non-respirable)	PEL-TWA: 15mg/m ³ (total particulate) 5 mg/m ³ (Respirable)	TLV-TWA: 1 f/cc (Respirable) 5 mg/m ³ (Inhalable)	TWAEV: 1 f/cc (Respirable) 5 mg/m ³ (Inhalable)	TWA: 10 mg/m ³	

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

- Physical State Appearance:** Solid.
- Color:** light green.
- 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:** Exposure to excessive heat may cause formaldehyde off-gassing.
- 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.

Carcinogens:	ACGIH	NIOSH	OSHA	IARC	NTP	MEXICO
Fiber Glass (continuous filament, non-respirable)	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
Phenol, polymer with formaldehyde	No Data	No Data	No Data	No Data	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.

Phenol, polymer with formaldehyde :

Skin: Skin - Rat LD50: >2 gm/kg - [Details of toxic effects not reported other than lethal dose value](RTECS)
Skin - Human TCLo - Lowest published toxic concentration: 1 pph - [Skin and Appendages - Dermatitis, allergic (After topical exposure)](RTECS)

Ingestion: Inhalation - Rat LD50: >5 gm/kg - [Details of toxic effects not reported other than lethal dose value](RTECS)

SECTION 12 : ECOLOGICAL INFORMATION

Applies to Product :

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

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

DOT Shipping Name: Not Regulated.

IATA Shipping Name: Not Regulated.

Canadian Shipping Name: Not Regulated.

IMDG Shipping Name : Not Regulated.

ADR Shipping Name : Not Regulated.

RID Shipping Name : Not Regulated.

ICAO Shipping Name: Not Regulated.

MEX Shipping Name : Not Regulated.

SECTION 15 : REGULATORY INFORMATION

Inventory Status

	Japan ENCS	EINECS Number	China	South Korea KECL	Australia AICS
Fiber Glass (continuous filament, non-respirable)	Not listed	266-046-0	Listed	KE-17630	Listed
Phenol, polymer with formaldehyde	(7)-903	500-005-2		KE-28224	Listed

	Canada DSL	TSCA Inventory Status			
Fiber Glass (continuous filament, non-respirable)	Listed	Listed			
Phenol, polymer with formaldehyde	Listed	Listed			

Applies to Product :

Canada WHMIS: Controlled - Class: D2B 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 an ingredient listed in the Proposition 65 chemicals.

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).

Fiber Glass (continuous filament, non-respirable):

EC Number: 266-046-0

Phenol, polymer with formaldehyde:

EC Number: 500-005-2

State Right To Know

	RI	MN	IL	PA	MA
Fiber Glass (continuous filament, non-respirable)	No Data	Listed	No Data	No Data	No Data
Phenol, polymer with formaldehyde	No Data	No Data	No Data	No Data	No Data

	NJ				
Fiber Glass (continuous filament, non-respirable)	No Data				
Phenol, polymer with formaldehyde	No Data				

SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date: November 01, 1993

MSDS Revision Date: October 15, 2012

MSDS Revision Notes: Update product names, tox and carcinogen info

MSDS Author: HAR

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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