



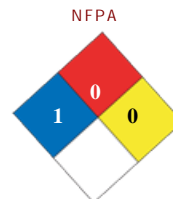


View MSDS : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

<b>Personal Protective Equipment</b>  Protective Gloves	 Safety Glasses	<b>WHMIS Pictograms</b> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>Not Controlled</b>          Not Controlled       </div>	<b>DOT Pictograms</b> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>Not Regulated</b>          Not Regulated       </div>
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**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Woven Rovings and Fabrics  
**MSDS Manufacturer Number:** 21555-NAM  
**Synonyms:** Woven Unidirectional Fiberglass Fabric (A-Style Wrap Unidirectional), Stitchbonded Fiberglass Fabric, Woven Fiberglass Fabric, Woven Roving  
**Manufacturer Name:** Owens Corning Composite Materials, 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:** 1-419-248-8234 (8am-5pm ET)  
**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:** 02/25/1997  
**MSDS Revision Date:** 09/25/2007  
**MSDS Format:** According to ANSI Z 400.1-2004



HMIS	
Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	X

\* Chronic Health Effects

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Ingredient Percent
Polyester Yarn	Not Available	1 - 5 by weight
Size	Not Available	1 - 5 by weight
Fiber Glass (continuous filament, non-respirable)	65997-17-3	60 - 100 by weight

**Notes :** The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure.

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 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 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 material is not considered a carcinogen.
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 material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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## SECTION 4 - FIRST AID MEASURES

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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.

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## SECTION 5 - FIRE FIGHTING MEASURES

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Flammable Properties:	Non Flammable.
Flash Point:	Not available.
Auto Ignition Temperature:	Not available.
Lower Flammable/Explosive Limit:	In Air: Not available.
Upper Flammable/Explosive Limit:	Not available.
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.
Universal Fire And Explosion Hazards:	Not available.
<b><u>NFPA Ratings:</u></b>	
NFPA Flammability:	0
NFPA Health:	1
NFPA Reactivity:	0

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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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. Material 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. Consult with your company's local procedures for selection, training, inspection and maintenance of respirators. Otherwise, consult the NIOSH web site ( <a href="http://www.cdc.gov/niosh/npptl/topics/respirators/disp_part">http://www.cdc.gov/niosh/npptl/topics/respirators/disp_part</a> ) for a list of dust respirator types and approved suppliers.
General Hygiene Considerations:	Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

### EXPOSURE GUIDELINES

	Guideline OSHA	Guideline ACGIH	Ontario Canada	Mexico	
Fiber Glass (continuous filament, non-respirable)	PEL-TWA: 1 f/cc (Respirable)	TLV-TWA: 1 f/cc (Respirable) 5 mg/m <sup>3</sup> (Inhalable)	TWAEV: 1 f/cc (Respirable) 5 mg/m <sup>3</sup> (Inhalable)	TWA: 10 mg/m <sup>3</sup>	

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Color:	White to off-white.
Odor:	Odorless
Boiling Point:	No Data
Melting Point:	> 800 °C
Specific Gravity:	2.60 (Ref: water = 1).
Solubility:	Insoluble in water.
Vapor Density:	No Data
Vapor Pressure:	No Data
Evaporation Rate:	No Data
pH:	No Data
Viscosity:	No Data
Flash Point:	Not available.
Auto Ignition Temperature:	Not available.

## 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.

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

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.

**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.  
**Contaminated Packaging:** Empty containers should be taken for local recycling, recovery or waste disposal.  
**RCRA Number:** No EPA Waste Numbers are applicable for this product's components.  
**RCRA Characteristics:** This material is not expected to be a characteristic hazardous waste under RCRA.

**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	PI CCS	China	South Korea KECL
Fiber Glass (continuous filament, non-respirable)	Not listed	266-046-0	Listed	Listed	KE-17630

	Australia AICS	Canada DSL	TSCA Inventory Status		
Fiber Glass (continuous filament, non-respirable)	Listed	Listed	Listed		

Applies to product :

**Canada Reg. Status:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

**Canada WHMIS:** Not controlled.

**CA PROP 65:** The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):  
This product does not contain any 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:	No
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).

**State Right To Know**

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

	NJ				
Fiber Glass (continuous filament, non-respirable)	No Data				

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**SECTION 16 - ADDITIONAL INFORMATION**

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**HMS Fire Hazard:** 0

**HMS Health Hazard:** 1

**HMS Reactivity:** 0

**HMS Personal Protection:** X

**MSDS Creation Date:** 02/25/1997

**MSDS Revision Date:** 09/25/2007

**MSDS Revision Notes:** Format Update

**MSDS Author:** KK

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