



BLUE LABEL CO.,LTD.

48/58 Moo.1 Ekachai Road, Khok-Krabu, Amphur Muang, Samutsakhon, 74000 Thailand

Tel : +66-34494774-5 Fax : +66-34494776 Website : www.bluelabelgroup.com

Technical Data Sheet

RHINOZ – Innovation Special Coating

RHINOZ[®] AB-001 RHINOZ FIBERGLASS MESH TAPE

SECTION 1 CHEMICAL PRODUCT AND IDENTIFICATION

PRODUCT: Fiberglass Mesh Tape
CHEMICAL FAMILY: FIBERGLASS TAPE

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

Component – Ingredient	Fibrous Glass Dust
Cass #	65997-17-3
OSHA-PEL	15mg/cuM
ACGIH-TLV	10mg/cuM

(T) – Total (R) – Respirable (NE) – Not Established mm³ – million particles per cubic foot of air. All ingredients of this product are included in the U.S. Environmental Protection Agency’s Toxic Substances Control Act Chemical Substance Inventory. All components of this product are included in the Canadian Domestic Substances List (DSL).

SECTION 3 HAZARD IDENTIFICATION

INFORMATION FOR HANDLING AND IDENTIFICATION OF CHEMICAL HAZARDS

NFPA Ratings:	HIMS Ratings:		
Health: 0	Health: 0	FLAMMABLE [0]	0=Minimal Hazard
Fire: 0	Fire: 0	PHYSICAL HAZARD [0]	1=Slight Hazard
Reactivity: 0	Reactivity: 0	PERSONAL PROTECTION [0]	2=Moderate Hazard
			3=Serious Hazard
			4=Severe Hazard

EMERGENCY OVERVIEW: This product is not expected to produce and unusual hazards during normal use.

POTENTIAL HEALTH EFFECTS

ACUTE:

Eyes: Direct contact of fibers may cause irritation.

Skin: Direct, prolonged or repeated contact with the skin may cause irritation.

Inhalation: There are no known health effects due to inhalation. Due to the physical nature of this product, inhalation is unlikely.

Ingestion: There are no known health effects due to ingestion. Due to the physical nature of this product, ingestion is unlikely. Wash hands before eating.

Chronic: None known.



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SECTION 4 FIRST AID MEASURES

FIRST AID PROCEDURES

Eyes: In case of contact, do not rub or scratch your eyes. Flush thoroughly with water for 15 minutes to remove particles. If irritation persists, consult a physician.

Skin: Wash with mild soap and water. If irritation persists, consult a physician.

Ingestion: Not likely to occur. If ingested, call a physician.

TARGET ORGANS: Eyes and Skin.

PRIMARY ROUTES OF ENTRY: Eye and Skin contact.

SECTION 5 FIRE FIGHTING MEASURES

General Fire Hazards:	None known.		
Extinguishing Media:	Water or use extinguishing media appropriate for surrounding fire.		
Special Fire Fighting Procedures:	Fire Fighters should wear full protective gear including NIOSH/MSHA approved self-contained breathing apparatus.		
Unusual Fire & Explosion Hazards:	None known. Thermal decomposition of coating materials may produce an irritating mixture of smoke and fumes.CO2, CO, carbon particulate and traces of hydrogen cyanide may be emitted during pyrolysis of the finish. Above 175 C – polyvinyl acetate may decompose to		
Hazardous combustion products:	H2O, CO2, CO, and acetic acid, could produce vinyl acetate monomers. Product contains low level of organic volatiles which may be emitted or released in application processes involving the use of heat.		
Flash point:	None known	Auto ignition:	Not applicable
Method used:	Not applicable	Flammability	
Upper Flammable Limit (UFL):	Not applicable	Classification:	Not applicable
Lower Flammable Limit (LFL):	Not applicable	Rate of Burning:	Not applicable

SECTION 6 ACCIDENTAL RELEASE MEASURES

CONTAINMENT/ CLEAN-UP:

No special precautions.

DISPOSAL:

In most cases, woven fiberglass scrap can be disposed of in a sanitary landfill.

SECTION 7 HANDLING AND STORAGE

HANDLING:

Avoid contact with skin and eyes.

STORAGE:

This product has a shelf life up to 12 months under protected storage conditions. Rotate stock.

SECTIONS 8 EXPOSURE CONTROLS / PERSONAL PROTECTION



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ENGINEERING CONTROLS:

Selection of engineering controls will depend on environmental working conditions and operations.

RESPIRATORY PROTECTION:

Special ventilation typically is not necessary, but may be desirable in specific work conditions. Use mechanical or local exhaust ventilation to keep levels below TLV.

OTHER PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face: Wear eye protection (safety glasses or goggles) to avoid particulate irritation of the eye.

Skin: Gloves or protective clothing are usually not necessary, but may be desirable in specific work conditions.

General: Selection of Personal Protective Equipment will depend on environmental working conditions and operations.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Woven fabric, coated or uncoated, white, red or blue.		
Physical State	Solid	Viscosity	Not applicable
Odor	Slight hydrocarbon odor	Solubility (H₂O)	Not applicable
pH @ 25 C	Not applicable	Boiling Point	Not applicable
Particle Size	Not applicable	Melting Point	Not applicable
Molecular weight	Not applicable	Softening Point	Not applicable
Bulk Density	Not applicable	Freezing Point	Not applicable
Specific Gravity (H₂O=1)	Not applicable	Vapor Density (Air=1)	Not applicable
Percent Volatile	Zero	Vapor Pressure (mm Hg)	Not applicable
VOC content	Not known	Evaporation Rate (BuAc=1)	Not applicable

SECTION 10 CHEMICAL STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	Contact with incompatibles.
INCOMPATIBILITY:	Hydrofluoric acid

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

Direct contact may cause eye, skin and/or respiratory irritation.

LD50: Not available for product. LC50: Not available for product.

CHRONIC EFFECTS / CARCINOGENICITY:

Formaldehyde: Trace amounts of residual formaldehyde may be associated with the production of urea phenol formaldehyde resin. Any exposure to formaldehyde is expected to remain well below OSHA regulatory and ACGIH recommended limits during normal handling and use of this product.

Vinyl acetate/acetaldehyde/formaldehyde: Ethylene vinyl acetate polymer is a common emulsion polymer most familiar as the component of ordinary white glue which exhibits the “sticky” characteristic. PVA is not classified as a carcinogen by IARC, NTP, or ACGIH.

Trace amounts of residual vinyl acetate monomers, acetaldehyde, and formaldehyde may be associated with the production of PVA.

Any exposure to vinyl acetate monomer, acetaldehyde, or formaldehyde is expected to remain well below OSHA regulatory and ACGIH recommended limits during normal handling and use of this product.

Formaldehyde: Trace amounts of residual formaldehyde may be associated with the production of Urea Phenol-Formaldehyde Resin. Any exposure to formaldehyde is expected to remain well below OSHA regulatory and ACGIH recommended limits during normal handling and use of this product.



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SECTION 12 ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY: This product has no known adverse effect on the ecology.
Ecotoxicity value: Not determined.

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
In most cases, woven fiberglass scrap can be disposed of in a sanitary landfill. Dispose of material in accordance with federal, state, provincial, and local regulations.

SECTION 14 REGULATORY INFORMATION

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory.

MATERIAL	WT%	302	304	313	CERC-LA	CAA Sec. 112	RCRA CODE
Fibrous Glass (Continuous Filament)	<60-100	NL	NL	NL	NL	NL	NL
Urea Phenol-Formaldehyde Resin	>15	NL	NL	NL	NL	NL	NL
Vinyl Acetate Polymer	<2	NL	NL	NL	NL	NL	NL
Or Ethylene Vinyl Acetate Polymer		NL	NL	NL	NL	NL	NL

Key: NL = Not Listed
SARA Title III Section 302 (EPCRA) Extremely Hazardous Substances: Threshold Planning Quantity (TPQ).
SARA Title III Section 304 (EPCRA) Extremely Hazardous Substances: Reportable Quantity (RQ). SARA Title III Section 313 (EPCRA) Toxic Chemicals: X= Subject to reporting under section 313
CERCLA Hazardous Substances: Reportable Quantity (RQ).
CAA Section 112 (r) Regulated Chemicals for Accidental Release Prevention: Threshold Quantities (TQ)
RCRA Hazardous Waste: RCRA hazardous waste code.

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the controlled products regulations and the MSDS contains all the information required by the Controlled Products Regulations. All components of this product are included in the Canadian Domestic Substances List (DSL).

MATERIAL	WT%	IDL item #	WHMIS Classification
Fibrous Glass (Continuous Filament)	<60-100	Not Listed	Not Listed
Urea Phenol-Formaldehyde Resin	>15	Not Listed	Not Listed
Vinyl Acetate Polymer	<2	Not Listed	Not Listed
Or Ethylene Vinyl Acetate Polymer		Not Listed	Not Listed

IDL Item #: Canadian Hazardous Product Act- Ingredients Disclosure List Item #.
WHMIS Classification: Workplace Hazardous Material Information System.



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CARCINOGENICITY CLASSIFICATION OF INGREDIENT(S)

All substances listed are associated with the nature of the raw material used in the manufacture of this product and are not independent components of the product formulation. All substances, if present, are at levels well below regulatory limits. See Section 11: Toxicology Information for detailed information.

MATERIAL	IARC	NTP	ACGIH	CAL-65
Respirable Crystalline Silica	1	1	A2	Listed
Vinyl Acetate Monomer	2B	Not Listed	A3	Not Listed
Acetaldehyde	2B	2	A3	Listed
Formaldehyde	1	2	A2	Listed

SECTION 15 CERTIFICATE OF ANALYSIS

Product Name		FIBERGLASS MESH TAPE		
Q S	Testing condition	Temperature 18°C-30°C		
	Norm:Alkali-Resistant	Unit	Technical Requirement	Result
	Area Weight	g/m ²	JG 149-2003 65±2	65
	Breaking Strength	N/50mm	JG 149-2003	Warp 400 Weft 700
	Width	mm	JG 149-2003 50±2	50
	Roll Length	m	JG 149-2003 90±0.1	90
	Type		JG 149-2003	Twill
	Glue Content	%	JG 158-2004	Latex Glue 18% Adhesive Glue 16%
	Mesh Size	mm	JG 158-2004 2.85±0.02	Warp 2.85 Weft 2.85
	Appearance		JG 149-2003 Blue	Yes
Testing Conclusion	Qualified			

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