

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Material name</b>	<b>Laminated Panel Products</b>
<b>Revision date</b>	12-02-2011
<b>Version #</b>	01
<b>Chemical description</b>	Fiberglass Reinforced Plastic (frp)
<b>Product code</b>	LAM
<b>Product use</b>	Glasbord Laminated is made by lamination of a Glasbord FRP panel to a substrate, such as oriented strand board (OSB), plywood, gypsum, or fluted polypropylene.
<b>Synonym(s)</b>	Kemply
<b>Manufacturer/Supplier</b>	Crane Composites Inc 23525 W. Eames Street Channahon, IL 60410-3220 US
<b>Telephone number</b>	815-467-8600

## 2. Hazards Identification

<b>Physical state</b>	Solid.
<b>Appearance</b>	Rigid sheet.
<b>Emergency overview</b>	Low hazard under normal conditions. Fabricating, cutting, drilling, etc. of frp may produce dust, which may irritate the eyes, skin and respiratory system.
<b>OSHA regulatory status</b>	This product is an article pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard.
<b>Potential health effects</b>	
<b>Eyes</b>	Mechanical processing may generate dust. Dust may irritate the eyes.
<b>Skin</b>	Dust may irritate skin.
<b>Inhalation</b>	Dust may irritate the respiratory system.
<b>Ingestion</b>	Ingestion is not likely to be a primary route of occupational exposure.
<b>Target organs</b>	Eyes. Skin. Respiratory system.
<b>Signs and symptoms</b>	Irritation of nose and throat. Irritation of eyes and mucous membranes. Upper respiratory tract irritation.

## 3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

<b>Composition comments</b>	Panels are solid sheets composed of a mixture of polyester resin, inorganic fillers, pigments, processing additives, and fiberglass reinforcement. During the manufacturing process, this mixture is cured or hardened into a stable, solid material that is non-hazardous when handled or processed in accordance with good manufacturing and industrial hygiene practices.
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## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	Flush eyes with water as a precaution. Get medical attention if irritation develops or persists.
<b>Skin contact</b>	Remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	If dust from the material is inhaled, remove the affected person immediately to fresh air. Get medical attention if symptoms persist.
<b>Ingestion</b>	First aid is normally not required. Ingestion of large amounts may cause gastrointestinal symptoms.
<b>Notes to physician</b>	Treat symptomatically.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	This product is not flammable. This product is a dust explosion class St-1 at normal moisture level.
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## Extinguishing media

### Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

### Fire fighting equipment/instructions

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

### Hazardous combustion products

During fire, gases hazardous to health may be formed.

## 6. Accidental Release Measures

### Personal precautions

Avoid inhalation of dusts from machining operation. Use personal protection as recommended in Section 8 of the MSDS.

### Environmental precautions

No specific precautions.

### Methods for cleaning up

No specific clean-up procedure noted.

### Other information

Collect and dispose of spillage as indicated in Section 13 of the MSDS.

## 7. Handling and Storage

### Handling

Do not eat, drink or smoke when using the product. Avoid inhalation of dust. Observe good industrial hygiene practices.

### Storage

Store away from incompatible materials. Keep away from heat, sparks and open flame.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Dust (-)	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable particles. Inhalable particles.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Dust (-)	PEL	5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup>	Respirable fraction. Total dust.

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Dust (-)	TWA	5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup> 50 mppcf 15 mppcf	Respirable fraction. Total dust. Total dust. Respirable fraction.

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Dust (-)	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable particles. Total particulate.

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Dust (-)	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable fraction. Total dust.

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Dust (-)	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable particles. Inhalable

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Dust (-)	TWA	10 mg/m <sup>3</sup>	Total dust.

### Engineering controls

Ventilate as needed to control airborne dust. Use explosion-proof ventilation equipment if airborne dust levels are high.

### Personal protective equipment

#### Eye / face protection

Use tight fitting goggles if dust is generated by machining operation.

#### Skin protection

Wear protective gloves, long pants and long sleeves when machining, cutting, drilling, etc.

<b>Respiratory protection</b>	Under normal conditions, respirator is not normally required. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Rigid sheet.
<b>Color</b>	Not available.
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Solid.
<b>Form</b>	Solid.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	1.2 - 1.8
<b>Solubility (water)</b>	Insoluble.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under normal temperature conditions.
<b>Conditions to avoid</b>	None under normal conditions.
<b>Incompatible materials</b>	Alkalies. Strong acids. Oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Acute effects</b>	None known.
<b>Local effects</b>	Dusts may irritate the respiratory tract, skin and eyes.
<b>Sensitization</b>	Not a skin sensitizer.
<b>Carcinogenicity</b>	Not classified.
<b>Epidemiology</b>	Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.
<b>Mutagenicity</b>	Not classified.
<b>Reproductive effects</b>	Not classified.
<b>Symptoms and target organs</b>	Irritation of nose and throat. Irritation of eyes and mucous membranes. Upper respiratory tract irritation.

## 12. Ecological Information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation / Accumulation</b>	No data available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Mobility in environmental media</b>	The product is insoluble in water.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose of in accordance with all applicable regulations.
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## 14. Transport Information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### TDG

Not regulated as dangerous goods.

## 15. Regulatory Information

<b>US federal regulations</b>	This product is an article pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard.
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### TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)

Not regulated.

### CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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<b>Section 302 extremely hazardous substance (40 CFR 355, Appendix A)</b>	No
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<b>Section 311/312 (40 CFR 370)</b>	No
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<b>Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)</b>	Not controlled
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<b>WHMIS status</b>	Non-controlled
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### Inventory status

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other Information

**HMIS® ratings** Health: 0  
Flammability: 0  
Physical hazard: 0

**NFPA ratings** Health: 0  
Flammability: 0  
Instability: 0

**Disclaimer** The information in the sheet was written based on the best knowledge and experience currently available.

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