



MATERIAL SAFETY DATA SHEET

3735 GREEN ROAD
BEACHWOOD, OHIO 44122-8068

TELEPHONE: (216)292-5000

EMERGENCIES: (216)765-6727 8:30-5:00 EST
AFTER HOURS: CHEMTREC (800)424-9300

SECTION 1

Order Code: KWS-0001

Product Name: Horizon ThermoPanel™
Chemical Name:
Chemical Family:
Product Code: KWS-0001 Date Prepared: 08-MAY-03
MSDS Preparer: R. A. MIKOL Replaces Date: 02-MAY-03

Section 2 - Molecular Composition

Common Name and Chemical Name Exposure Limits	Weight %	CAS Number
FIBROUS GLASS OSHA:TWA - STEL - ACGIH:TWA 10 mg/M3 STEL - (dust)	85.0-96.0	65997-17-3
FORMALDEHYDE-UREA BINDER OSHA:TWA - STEL - ACGIH:TWA - STEL -	4.0-15.0	25104-55-6

Section 3 - Hazards Identification

EMERGENCY OVERVIEW:
Various colored glass mat faced boards. Cutting, sanding or otherwise machining this product may generate large amounts of dust. Dust may cause upper respiratory tract, lung, eye, nasal and skin irritation. Use proper personal protective equipment as required.

Potential Hlth Effect/Rte of Entry:

Inhalation:
May cause respiratory tract discomfort.
Eyes:
Can cause irritation, redness, tearing.
Ingestion:
This material is not likely to be ingested.
Skin:
May cause slight irritation.
Aggravated Medical Conditions:
Pre-existing eye, skin, or respiratory conditions may be aggravated by exposure.

Acute Health Effects:
See effects described above.

Chronic Health Effects:
OSHA considers fibrous glass dust a nuisance dust. No chronic hazard. Acute hazards are dermatitis, local irritation. ACGIH TLV is 10mg/m3 total dust. Long term exposure to formaldehyde has been shown to be associated with an increased risk of cancer of the nose and accessory sinuses, nasopharyngeal and oropharyngeal cancer, and lung cancer in humans. No other health hazards are known at this time.

Section 4 - First Aid Measures

Inhalation:
Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.
Eyes:
Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.
Ingestion:
Do not induce vomiting. Get medical attention immediately.
Skin:
Clean area of contact thoroughly using soap and water. If irritation, rash

or other disorders develop, get medical attention immediately.
Notes to Physician: N/A

Section 5 - Fire Fighting Measures

Flash Point: NONE
Method: NA
Lower Flammability Limit: NA
Upper Flammability Limit: NA
Autoignition Temperature: NA
Extinguishing Media:
If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Fire and Explosion Hazards:
Hydrogen chloride can form.
Fire Fighting Equipment:
Not Applicable
Other Precautions: N/A

Section 6 - Accidental Release Measures

Release Response Overview:
Transfer to appropriate container for disposal.

Section 7 - Handling and Storage

Handling and Storage Precautions:
Store under normal warehouse conditions below 120F. Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Change soiled workclothes frequently. Clean hands thoroughly after handling. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment.

Section 8 - Exposure Controls/Personal Protection

Respiratory:
Wear appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne dust concentration exceeds the exposure limits indicated in Section II. Follow respirator manufacturer's directions for respirator use.
Skin:
Typical full cover clothing.
Eyes:
Wear suitable safety eyewear.
Face:
Not Applicable
Engineering:
Not Applicable

Section 9 - Physical and Chemical Properties

Odor/Appearance: ORGANIC/FIBROUS
Color: VARIOUS
Physical State: SOLID
pH: NA
Vapor Pressure: NA
Vapor Density: NA
Boiling Point: NA
Melting Point: NA
Freezing Point: NA
Solubility in Water: INSOLUBLE
Specific Gravity: 1.0
% Volatile Weight: 0.0

Section 10 - Reactivity/Stability

Stability:
Stable

Incompatible Products:
Not Applicable
Conditions to Avoid Polymerization:
Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Eyes: See Section 3
Ingestion: " " "
Inhalation: " " "
Skin: " " "
Subchronic: " " "
Chronic: " " "

Section 12 - Ecological Information

Ecotoxicological Data: N/A
Chemical Fate: N/A

Section 13 - Disposal Considerations

RCRA Class: N/A
Disposal Method:
Not regulated by RCRA. Dispose of in compliance with state and local regulations.

EPA Reportable Quantities

N/A

Section 14 - Transportation Data

DOT Shipping Name: NOT REGULATED
DOT Hazard Class:
DOT Label:
UN/NA Number: N/A
Packing Group:
Special Provisions:
Packaging

Exceptions:
Non-Bulk:
Bulk:

Quantity Limitations

Passenger Aircraft or Railcar:
Cargo Aircraft:

Vessel Stowage Requirements

Vessel Stowage:
Other Stowage:

Transportation Notes: N/A

Section 15 - Regulatory Information

TSCA Status: On the TSCA Inventory
OSHA Status: Considered hazardous based on the following criteria:
Irritant

Target Organs

Lung
Skin
Eye

OSHA Hazardous Components

No OSHA Hazardous Components

Compliance Quantities

N/A

SARA 311 Ratings

Immediate Health Hazard: Y
Delayed Health Hazard: Y
Fire Hazard: N
Reactivity Hazard: N
Sudden Release of Pressure Hazard: N

SARA 313 Ingredients

No SARA 313 Ingredients

Proposition 65 Ingredients

No Proposition 65 Ingredients

Section 16 - Other Information

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.
THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION
OF THE USER, SUBJECT TO HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE
REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE
CONDITION.