

# Material Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

<b>Tradename:</b> <b>CORBOND® III</b> <b>Chemical Formula:</b> Finished cellular plastic foam product <b>CAS Number:</b> Finished goods - no number <b>Manufacturer:</b> Corbond Corporation, 32404 East Frontage Road, Bozeman, Montana 59715, (406) 586-4583, Fax (406) 586-4584. <b>Chemtrec (800) 424-9300</b>
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## Section 2 - Composition / Information on Ingredients

Ingredient Name		CAS Number		% Volume		
01) Polymerized Polyurethane Cellular Plastic		N/A		60-98%		
02) 1,1,1,3,3 Pentafluoropropane		460-73-1		2-40%		
OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
TWA	STEL	TWA	STEL	TWA	STEL	IDLH
1000 ppm	None estab.	1000 ppm	None estab.	None estab.	None estab.	None estab.

## Section 3 - Hazards Identification

<b>**** Emergency Overview ****</b> <b>Potential Health Effects</b>
<b>Primary Routes of Exposure:</b> Respiratory tract if product is torn, chipped or ground into chips or dust. Mechanical irritant.
<b>Acute Effects:</b> <b>Inhalation:</b> Repeated excessive exposures to dust or small chips may cause upper respiratory irritation. <b>Eye:</b> Mechanical irritation or corneal injury and reddening if dust or chips enter the eye. <b>Skin:</b> Minor mechanical irritation. <b>Carcinogenicity:</b> IARC, NTP and OSHA do not list any components of <b>Corbond® III</b> as a carcinogen. <b>Other:</b> Small amounts of insulating blowing agent are released when cut. This product is not expected to present a health hazard under normal intended use.

## Section 4 - First Aid Measures

<b>Inhalation:</b> Remove to fresh air. <b>Eye Contact:</b> Irrigate with water. <b>Skin Contact:</b> Wash with soap and water. <b>Ingestion:</b> No adverse effects anticipated by this route. May cause choking, if swallowed. <b>After first aid, get appropriate in-plant, paramedic, or community medical support.</b>
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## Section 5 - Fire Fighting Measures

**Flash Point:** Not established.

**Auto Ignition Temperature:** 850°F - 1000°F

**LEL:** N/A **UEL:** N/A

**Extinguishing Media:** Use water, foam, CO<sub>2</sub> or dry chemical.

**Unusual Fire or Explosion Hazards:** Polyurethane foams, in common with other organic materials such as paper, wood and cotton, can present unreasonable fire risks when exposed to ignition sources. Once ignited, fires can burn rapidly and produce intense heat and dense smoke. Install foam only after all welding cutting or other hot work has been completed. Do not weld or perform other hot work on foam filled construction.

**Hazardous Decomposition Products:** Like wood and other organic materials, product can release toxic smoke if ignited.

**Fire Fighting Instructions:** Water spray, CO<sub>2</sub>, Foam or Dry chemical.

**Fire Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self contained breathing apparatus (SCBA) with a full facepiece operated in pressure demand or positive pressure mode.

### WARNING

**CORBOND®** Insulation contains flame retardants, however, it is not fireproof, it is not fire resistant, it is not self extinguishing in actual fire situations - it will burn. (See Section 13)

## Section 6 - Personal Protection

**Ventilation:** Not necessary unless cutting, chipping or grinding product. If so, use sufficient ventilation to keep exposure to dust to minimum (below 5mg/m<sup>3</sup> respirable nuisance dust)

**Respiratory Protection:** (Use only NIOSH approved devices.) Dust mask or organic vapor respirator with HEPA filter during cutting, chipping or grinding operations.

**Eye Protection:** Use goggles as necessary.

**Protective Clothing:** None necessary.

**Comments:** Never smoke in work areas.

## Section 7 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance and Odor:** Pigmented Light  
Lavender color. No odor.

**Vapor Pressure:** N/A

**Density:** 1.8 to 2.1 lb/cubic ft.

**Specific Gravity:** Not established.

**Water Solubility:** N/A

**Boiling Point:** N/A

**Freezing/Melting Point:** Not established

**% Volatile:** Nil

**Evaporation Rate:** N/A

## Section 8 - Stability and Reactivity

**Stability:** Stable.

**Polymerization:** Hazardous polymerization will not occur.

**Chemical Incompatibilities:** None known.

**Conditions to Avoid:** Fire, hot work, welding.

**Hazardous Decomposition Products:** Carbon Monoxide, Carbon Dioxide, Hydrogen Halides, Phosphorous Oxides, Possible traces of Hydrogen Cyanide and Nitrogen Oxides under fire conditions.

## Section 9 - Toxicological Information

**Eye Effects:** Solid or dust may cause irritation or corneal injury due to mechanical action.  
**Skin Effects:** Contact essentially non-irritating to skin. Mechanical irritation only as dust or chips.  
**Acute Inhalation Effects:** Dust or small chips may cause irritation to upper respiratory tract. Small amounts of insulating blowing agent are released from the material when cut.  
**Acute Oral Effects:** Not established.  
**Chronic Effects:** Not established.  
**Carcinogenicity:** Not a carcinogen.

## Section 10 - Ecological Information

**Environmental Transport:** Solid waste.  
**Environmental Degradation:** Photo degradable.  
**Soil Absorption/Mobility:** None.

## Section 11 - Disposal Considerations

**Disposal:** Remove solid waste to landfill.

## Section 12 - Regulatory Information

**EPA Regulations:** SARA Toxic Chemical (40 CFR 372.65);None

## Section 13 - Other Information

**FTC Warning:** Polyurethane foam produced from these materials may present a fire hazard if exposed to fire or excessive heat (i.e. cutting torches). The use of polyurethane foam in interior applications on walls or ceilings presents an unreasonable fire risk unless protected by an approved fire resistant thermal barrier with a finish rating of not less than 15 minutes. A code definition of an approved "thermal barrier" is a material equal in fire resistance to ½ " gypsum board. Each firm, person, or corporation engaged in the use, manufacture, production or application of the polyurethane foams produced from these resins should carefully examine his end use to determine any potential fire hazard associated with such product in a specific use and to utilize appropriate precautionary and safety measures. Consultation with building code officials before application is recommended.

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