

# Material Safety Data Sheet

Date Prepared: 13 April 09 MSDS #: ANCO-ExtraFINE™



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION.

Product Name: TextraFINE™

Chemical Name and Synonyms: Textile-Type Bonded FiberGlass Board / Blanket, Continuous Filament fiber

Chemical Formula: Continuous Filament fiber

CAS No: None Assigned

Common Name: Textile-Type Fiberglass Insulation\*

Product use: Thermal / Acoustical Insulation

Manufacturer:

**Anco Products, Inc.**  
2500 S. 17th Street, Elkhart, IN 46517  
(800) 837-2626 FAX: (574) 295-6235  
www.ancoproductsinc.com

MSDS and Technical Information: (8 am-5pm EST) (800) 837-2626 ext. 223  
24 Hour Emergency Contact: CHEMTREC (800)424-9300

## 2. HAZARDS IDENTIFICATION

Appearance and Odor: Light brown/yellow or Amber continuous filament glass with faint resin odor.

Emergency Overview: No unusual conditions are expected from this product. Stable and nonflammable under normal industrial conditions.

Primary Route(s) of Exposure: Skin contact, Eye Contact, Inhalation

Immediate (acute) health hazards: May cause slight short term irritation of the skin, eyes, nose and/or throat.

Long term (chronic) health hazards: None currently known; see Section 11.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name: Glass, Continuous Filament Fiber, Composition principally of oxides of silicon, aluminum, and calcium, fused in an amorphous vitreous state (textile fibers).

Common Name: Synthetic Fibrous Glass, Continuous Filament/Long Strand Textile Fiber

CAS Number: For "Fibrous Glass": 65997-17-3

Percentage in Product: 70 - 94% by weight

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Chemical Name: Sizing, Mixture of Starches, modified vegetable oils, or polymers.

Common Name: Starch Binder, Sizing

CAS Number: Mixture

Percentage in Product: 0 - 1% by weight

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Chemical Name: Phenolic Resin (cured)

Common Name: Cured Binder Solids, Cured Phenolic Resin, hexamethylenetetramine cross-linked.

CAS Number: 9003-35-4/68585-23-9

Percentage in Product: 6 - 30% by weight

\* NOTE: See Section 8 of MSDS for exposure limit data for these ingredients.

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## 4. FIRST AID MEASURES

### Information for Medical Practitioners:

This product is not expected to produce any chronic health effects from acute exposure. Treatment of any irritation should be directed toward removing the source of irritation with symptomatic treatment as necessary. See Section 8 for exposure limits and issues.

### Medical Conditions Aggravated by Exposure:

Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.

### Inhalation:

Move person to fresh air. Drink water to clear throat and blow nose to clear area. Seek medical attention if irritation persists.

### Eye Contact:

Do not rub or scratch eyes. Fibers in the eye may cause the eye to be scratched, and fibers may get imbedded. Flush eyes with large amounts of running water for 10-15 minutes, as necessary. Seek medical attention if irritation persists.

### Skin Contact:

Wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid further irritation, do not rub or scratch irritated areas. Seek medical attention if irritation persists.

### Ingestion:

Ingestion of this material is unlikely. If it does occur, seek medical attention. No chronic effects are expected following ingestion.

### Absorption:

Not applicable.

### Fire:

Remove individual to fresh air. Seek medical attention, if necessary.

## 5. FIRE FIGHTING MEASURES

**Flash Point and Method:** None. Does not support combustion.

**Flamability Limits (%):** None.

**LEL:** N/A

**UEL:** N/A

**Auto Ignition Temperature:** Not Applicable.

**Extinguishing Media:** Water, foam, CO2 or dry chemical.

**Unusual Fire and Explosion Hazards:** None Known.

**Fire Fighting Instructions:** Use self contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire.

**Hazardous Combustion Products:** Primary combustion products are carbon monoxide, carbon dioxide, ammonia and water. Other undetermined compounds could be released in small quantities.

## 6. ACCIDENTAL RELEASE MEASURES

### Land Spill:

Scoop up and put into suitable container for disposal as non-hazardous waste. Product may also be easily vacuumed during clean up.

### Water Spill:

This material will sink and disperse along the bottom of waterways and ponds. It can not easily be removed after it is waterborne, however, the material is non-hazardous in water.

### Air Release:

This material will settle out of the air. If concentrated on land it can then be scooped up for disposal as a non-hazardous waste.

### Disposal:

Dispose of in accordance with government regulations. The waste from these products is not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR 261).

## 7. HANDLING AND STORAGE

**Storage Temperature:** Not Applicable.

**Storage Pressure:** Not Applicable.

**General:** No special storage or handling procedures are required for this material. Anco recommends storing these materials in a dry area protected from the elements.

**Handling:** Anco recommends the wearing of a respirator (See Section 8), long sleeves, gloves, and eye protection (goggles, safety glasses or a face mask) when handling loose material or during installation.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Ingredient   | OSHA PEL<br>(8-hour TWA) | ACGIH TL<br>(8-hour TWA)         |
|--|--------------------------|----------------------------------|
| <b>Continuous Filament Fibers:</b><br>Nonrespirable fibers and particulate | 15 mg/m3<br>(total dust) | 5 mg/m3<br>(inhalable fraction)  |
| <b>Respirable particulate</b><br>(respirable nuisance dust) (PNOC)*        | 5 mg/m3                  | 3 mg/m3                          |
| <b>Respirable particulate with fiber</b><br>like dimensions (glass shards) | None Established         | 1 fiber/cc<br>Aspect Ratio > 5:1 |

\*PNOC = Particles Not Otherwise Classified  
 NIOSH defines "respirable fibers" as greater than 5 microns in length and less than 3 microns in diameter with an aspect ratio of greater than or equal to 5:1 (length-to-width ratio).

|                     |                  |                  |
|---------------------|------------------|------------------|
| Sizing              | None Established | None Established |
| Cured Binder Solids | None Established | None Established |

**Respiratory Protection:** Typically not necessary under normal conditions of use. A respirator approved for nuisance dusts may be required/used.

**Ventilation:** Local exhaust ventilation should be used in operations involving cutting and use of power tools.

**Skin Protection:** Loose fitting long sleeved shirt that covers to the base of the neck, long pants and gloves are recommended, but not required by regulation. Minor skin irritation is known to occur chiefly at pressure points such as around the neck, wrist, waste and between fingers.

**Eye Protection:** Safety glasses with side shields, goggles, or face shield.

**Work and Hygienic Practices:** Handle these products using good industrial hygiene and safety practices.

1. Use adequate local exhaust ventilation.
2. Remove material from the skin and eyes after contact.
3. Remove material from clothing using vacuum equipment (never use compressed air).
4. Keep the work area clean of dusts and fibers released during processing or fabrication.
5. Use vacuum equipment to clean up product.
6. Avoid dry sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air.
7. Have access to safety showers and eye wash stations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid

**Boiling Point (F):** >2550 (glass)

**Melting Point (F):** 2250 (glass)

**Softening Point (F):** > 1200

**Odor:** Faint Resin Odor

**Odor Threshold:** None

**Color:** Yellow, Brown or Amber. White (uncured)

**PH:** Not Applicable.

**Electrical Conductivity:** Is an electric insulator.

**Vapor Density (Air = 1):** Not Applicable.

**Specific Gravity (H2O = 1):** Glass = 2.6

**% Volatile by Volume:** Not Volatile.

**Vapor Pressure (mm Hg @ 20oC/Oxidation Risk):** N/A.

**Evaporative Rate (Ethyl ether = 1):** Not Applicable.

**% Solubility (H2O):** Not Applicable.

**Freezing Point (oF):** None.

**Coefficient of Water to Oil Distribution:** Not Applicable.

**Coefficient of Octanol/Water Partition:** Not Applicable

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## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Incompatibility (Materials to Avoid):** None Known.

**Conditions to Avoid:** None Known.

**Hazardous Polymerization:** None, except fire. See Section 5.

## 11. TOXICOLOGICAL INFORMATION

**Continuous Filament Non-respirable Fibers:** Fibers are either non-respirable or respirable. Respirable fibers can penetrate to the "deep" lung area. According to the National Institute for Occupational Safety and Health (NIOSH), fibers with diameters less than 3.0 um are respirable. The manufacturing process for the Anco TextraFINE™ product uses fiber diameters ranging from 6um to 11um and are considered to be non-respirable. The fibers normally do not become respirable fibers upon the handling/cutting/processing activities typical of our customers or within our own process. Upon breakage, the fibers may break horizontally into smaller lengths but not longitudinally into smaller diameters. As with any mechanically abrasive activity, a very small amount of respirable dust/particulate may be generated, some of which may be glass shards.

**CARCINOGENICITY TABLE:** This table indicates whether or not each agency has listed each ingredient as a carcinogen.

| <u>INGREDIENT</u>          | <u>ACGIH</u> | <u>IARC</u> | <u>NTP</u> | <u>OSHA</u> | <u>97/69/EC</u> |
|----------------------------|--------------|-------------|------------|-------------|-----------------|
| Continuous Filament Fibers | NO           | NO          | NO         | NO          | NO              |
| Cured Binder Solids        | NO           | NO          | NO         | NO          | NO              |

## 12. ECOLOGICAL INFORMATION

Continuous filament fibers are generally considered to be an inert solid waste, and no special precautions should be taken in case it is released or spilled.

## 13. DISPOSAL CONSIDERATIONS

**RCRA Hazard Class:** Non-Hazardous.

Continuous Filament Fibers are generally considered non-hazardous per EPA, RCRA 40CFR, Part 261, 1990. Not regulated by the Department of Transportation (DOT).

## 14. TRANSPORT INFORMATION

**DOT Shipping Names:**

**Hazard Class of Division:**

**Identification No:**

**Label(s) Required:**

**Special Provisions:**

**Non-bulk Packaging:**

**EPA Hazardous Substances:**

**Quantity Restrictions:**

Not Regulated.

None.

None.

None.

None.

None.

None.

**Passenger Aircraft:** None.

**Cargo Aircraft:** None.

None.

None.

Not Regulated.

103300S3, Insulation Material – NOI (Not Otherwise Indexed).

**Secondary:** None.

**Packing Group:** None.

**Package Exceptions:** None.

**Bulk Packaging:** None.

**RQ:** None.

**Marine Pollutants:**

**Freight Description:**

**Hazardous Material Shipping Description:**

**National Motor Freight Classification(NMFC):**

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## 14. TRANSPORT INFORMATION (CONT.)

### TRANSPORTATION OF DANGEROUS GOODS-CANADA:

Exempt from Canadian Environmental Protection Act (CEPA) reporting on the Domestic Substances Lists as these products are considered "articles." Exempt from Workplace Hazardous Materials Information System (WHMIS) labeling and MSDS requirements. However, "fibrous glass" is on the Ingredient Disclosure List. It must be listed as an ingredient on MSDS for "controlled products" with fiber glass concentrations greater than 1.0%.

|  |   |                                     |
|--|---|-------------------------------------|
| <b>Proper Shipping Name:</b>                 | Not Regulated.  |                                     |
| <b>TDG Hazard Classification:</b>            | None.   | <b>Secondary:</b> None.             |
| <b>IMO Classification:</b>                   | None.   |                                     |
| <b>ICAO/IATA Classification:</b>             | None.   |                                     |
| <b>Product Identification Number:</b>        | None.   |                                     |
| <b>Packing Group:</b>                        | None.   |                                     |
| <b>Control Temperature:</b>                  | None.   | <b>Emergency Temperature:</b> None. |
| <b>Schedule XII Quantity Restrictions:</b>   | None.   |                                     |
| <b>Reportable Quantity for US Shipments:</b> | None.   |                                     |
| <b>IATA Packing Instructions:</b>            | <b>Passenger/Cargo:</b> None.<br><b>Cargo Only:</b> None.<br><b>Limited Quantity:</b> None. |                                     |
| <b>Maximum Net Quantity per Package:</b>     | <b>Passenger/Cargo:</b> None.<br><b>Cargo Only:</b> None.<br><b>Limited Quantity:</b> None. |                                     |
| <b>Special Provisions:</b>                   | None.   |                                     |

## 15. REGULATORY INFORMATION

|                             |   |
|-----------------------------|---|
| <b>EPA TSCA Status:</b>     | Each ingredient is on the Inventory.  |
| <b>NSR Status (Canada):</b> | Each ingredient is on the DSL.  |
| <b>SARA Title III:</b>      | Hazard Categories:<br><b>Acute Health:</b> Yes (skin irritant)<br><b>Chronic Health:</b> No<br><b>Fire Hazard:</b> No<br><b>Pressure Hazard:</b> No<br><b>Reactivity Hazard:</b> No |
|                             | Reportable Ingredients:<br><b>Sec. 302/304:</b> None.<br><b>Sec. 313:</b> None.   |

### European Econ. Committee (EEC)

**Labeling Classification:** "Fiber Glass" does not meet the classification for a "dangerous substance" according to 67/548/EEC.

**Japan: Chemical Substances Control Law:** "Fiber Glass" is exempt from this law.

**California Proposition 65:** None Listed.

|                        |                                    |
|------------------------|------------------------------------|
| <b>WHMIS (Canada):</b> | <b>Status:</b> Not Controlled.     |
|                        | <b>WHMIS Classification:</b> None. |

OSHA Hazard Communication Standard: Subject to the applicable requirements of this regulation. Per this MSDS revision date, these continuous filament fiber products are not known to contain chemical ingredients listed by the Pennsylvania, New Jersey or Massachusetts Right to Know Law in excess of amounts requiring reporting on such substances' MSDS or labels.

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## 16. OTHER INFORMATION

|                                     |                  |             |             |                         |
|-------------------------------------|------------------|-------------|-------------|-------------------------|
| <b>HMIS and NFPA Hazard Rating:</b> | <b>Category:</b> | <b>HMIS</b> | <b>NFPA</b> | <b>Degree of Hazard</b> |
|                                     | Acute Health:    | 1           | 0           | 0-Minimal               |
|                                     | Flamability:     | 0           | 0           | 1-Slight                |
|                                     | Reactivity:      | 0           | 0           | 2-Moderate              |
|                                     |                  |             |             | 3-Serious (High)        |
|                                     |                  |             |             | 4-Severe (Extreme)      |

**NFPA Unusual Hazards:** None.  
**HMIS Personnel Protection:** To be supplied by user depending upon use.

**Revision Summary:**  
Creation Date - 28 October 2008.  
Revision Date - 13 April 2009

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