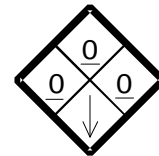


# American Fiber Cement Corporation

Health Hazard	1
Fire Hazard	0
Physical Hazard	0
Personal Protection	b

HMIS RATING

## MATERIAL SAFETY DATA SHEET



NFPA RATING

### SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Minerit Heavy Duty (Minerit HD)

**MSDS Number:** AFC-002

**Generic Name:** Fiber cement building board

**Revision:** 9

**Distributor:** American Fiber Cement Corporation

**Date Issued:** February 1, 2007

**Address:** 6901 S. Pierce Street, Suite 260  
Littleton, CO 80128, USA

**24 Hour Emergency Number:** 800-424-9300

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	%	ACGIH / TLV	OSHA / PEL
Cement	65997-15-1	40-80	10 mg/m <sup>3</sup>	50 mppcf
Cellulose	9004-34-6	5-15	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Limestone	1317-65-3	10-50	None	None
Polyvinyl Alcohol	9002-89-5	<2	None	None

Key: TLV = ACGIH, 8 hr. time weighted average (TWA); PEL = OSHA permissible exposure limit.  
TLV and PEL limits are for respirable dust.

### SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview:** This product is non-hazardous under normal conditions of use. Airborne particulate created during cutting and handling is considered nuisance dust and should be minimized through the use of good work practices and adequate ventilation.

**HMIS Rating:** Health: 1 Fire: 0 Physical Hazard: 0 Personal Protection: B

**WHMIS Class:** Not regulated under WHMIS.

**Primary Routes of Entry:** Via respirable dust to the lungs and respiratory system and via coarse dust and particulate to the eyes.

**Primary Target Organs:** Lungs, respiratory system and eyes.

#### Potential Health Effects:

**Inhalation:** Irritating to the mucous membranes and respiratory tract. Excessive exposures to dust may cause sore throat, coughing or upper respiratory irritation.

**Skin Contact:** Possible dryness or irritation resulting from long term exposures to product dust.

**Eye Contact:** A mechanical irritant which can cause moderate to severe eye irritation.

**Ingestion:** Non-hazardous when ingested. Potentially a mild irritant to the GI tract if excessive quantity is ingested.

**SECTION III - HAZARDS IDENTIFICATION**

**Medical Conditions Aggravated by Exposure:** Pre-existing chronic upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma.

**Carcinogenicity:** This product is not classified by IARC, NTP or OSHA.

**SECTION IV - FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. If coughing and irritation develop, call a physician.

**Eye Contact:** Flush with large amounts of water until irritation subsides, as least 15 minutes. See a physician if irritation persists.

**Skin Contact:** Normal good personal hygiene practices. Wash with mild soap and warm water after each exposure.

**Ingestion:** Emergency procedures not normally required. May be a temporary irritant to the GI system.

**SECTION V - FIREFIGHTING MEASURES**

**NFPA Rating:**      **Health:** 0      **Fire:** 0      **Reactivity:** 0      **Other:** 0

**Flashpoint and Method:** This is a non-flammable product      **LEL:** N/Ap      **UEL:** N/Ap

**Extinguishing Method** Not applicable. Product will not burn.

**Special Firefighting Procedures:** Not applicable.

**Fire or explosion Hazards:** None

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Clean-up Procedures:** Pick up or shovel material into waste container taking care to minimize dust. Wet down if necessary to control dust. Vacuum clean dust with equipment fitted with an efficient secondary filter

**Personal Precautions:** If dusty conditions exist, wear a face mask approved for use with dusts such as 3M 8511 N-95 or equivalent.

**Environmental Precautions:** None normally required. Product contains naturally occurring minerals.

**SECTION VII - HANDLING AND STORAGE**

**Storage Requirements:** Store in dry area. Always segregate materials by major hazard class.

**Special Sensitivity or Incompatibility:** None known.

**Handling Precautions:** Assure proper respiratory protection if dust potential exceeds PEL/TLV.

**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection:** When over PEL/TLV wear an approved face mask such as 3M 8511 N-95 or equivalent, to protect against dust.

**Eye Protection:** To protect eyes against dust and particulate matter, wear safety glasses with side shields or goggles when cutting material with mechanical equipment

**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Skin Protection:** Under normal conditions the wearing of protective gloves and clean, body-covering clothing should be adequate.

**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Maintain sufficient mechanical or natural ventilation to assure dust concentrations remain below PEL/TLV. Use local exhaust if necessary. Power equipment should be equipped with properly designed dust collection devices.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

**Physical Form:** Solid, thin building boards

**Odor:** No characteristic odor

**Color:** Grey

**pH:** ~11\*

**Melting Point:** Not applicable

**Density @ 20° C (68° F):** 1700 kg/m<sup>3</sup>

**Solubility in Water:** Insoluble

**Evaporation Rate:** Not applicable

*\*pH reduction to neutral within 5-10 years.*

**SECTION X - REACTIVITY**

**Stability:** Product is stable under normal conditions.

**Hazardous Polymerization:** Cannot occur.

**Incompatibilities:** None in designed use.

**Decomposition Products:** Decomposition of residual organic fillers will emit fumes of CO and CO<sub>2</sub> during initial exposure to service temperatures.

**Conditions to Avoid:** None in designed use.

**SECTION XI - TOXICOLOGICAL/ECOLOGICAL INFORMATION**

**LD<sub>50</sub>:** N/Av

**LC<sub>50</sub>:** N/Av

**Toxicological Hazards:** No toxicological studies of this specific product have been performed.

**Ecological Hazards:** Most ingredients in this product are naturally occurring minerals. Unless contaminated in service, this product is non-hazardous to the environment.

**Teratogenicity, Mutagenicity, other Reproductive Effects:** None known

**SECTION XII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** May be disposed in an approved landfill unless contaminated in service. If contaminated with hazardous materials, place waste in suitable container. Seal and properly label the waste container. Send the container to an approved Transportation, Storage and Disposal (TSD) facility via an approved waste hauler. Be sure manifests have been completed and an adequate "Paper trail" has been established.

**SECTION XIII - TRANSPORTATION INFORMATION**

**US DOT Shipping Name:** Not regulated      **DOT Label:** None      **UN/NA Number:** None

**Canadian TGD Shipping Description:** Not regulated as dangerous goods according to Canadian TDGA

**International Dangerous Goods Information:**

**IMO:** Not regulated as dangerous goods according to the IMDG Code.

**ICAO:** Not regulated as dangerous goods according to the ICAO Technical Instructions.

**SECTION XIV - REGULATORY INFORMATION**

**OSHA Status:** This product is not considered hazardous under OSHA criteria.

**TSCA/CEPA Status:** All components of this product are included in the TSCA and CEPA Chemical Inventories.

**CERCLA Reportable Quantity:** N/Ap

**SARA Title III:**

**Section 302 Extremely Hazardous:** This product contains no extremely hazardous substances as defined and listed in section #302

**Section 311/312 Hazard Categories:** This product does not contain any hazardous substances which are reportable under Sections 311 and 312.

**Section 313 Toxic Chemicals:** This product does not contain any toxic substances which are reportable under Section 313.

**WHMIS Information:** Not controlled by WHMIS.

**Other Regulatory Classifications:**

**DSCL (EEC):** None

**SECTION XV - APPROVALS**

**Reason for Issue:** Change to product composition

**Approval Date:** February 1, 2007

**Prepared by:** CCG, Inc.

**Supersedes Date:** June 4, 2006

**Revision History:** Update HMIS Data (*May 5, 2002*); Change to Crystalline Silica (quartz) TLV standard (0.05 mg/m<sup>3</sup>). Removal of Product Stewardship Information (*June 4, 2003*); WHMIS 3 year update (*June 4, 2006*)

**SECTION XVI - DISCLAIMER**

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.