

MATERIAL SAFETY DATA SHEET

Issue date: 8/08/13

SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: EnviroGuard First Choice Cellulose Insulations - AB
Chemical Name: Cellulose Insulation
Chemical Family: Cellulose Treated with Inorganic Salts
DOT Shipping Name: N/A
ID Number: None Established
DOT Hazard Class: Non-Hazardous
Manufacturer: Tascon, Inc.
Street Address: 7607 Fairview Rd., Houston, TX 77041
Mailing Address: P.O. Box 40970, Houston, TX 77240
Telephone #: 713-937-0900
Emergency #: 713-937-0900

SECTION 2 – COMPOSITION AND INGREDIENT INFORMATION

<u>COMPONENTS & CAS #</u>	<u>% BY WEIGHT</u>	<u>EXPOSURE LIMITS</u>	<u>CANCER DESIGNATION</u>
Cellulose Fibers #65996-61-4	Not less than 85%	PEL-TWA=15mg/m ³ total dust (PNOC) PEL-TWA=15mg/m ³ respirable fraction PEL-TWA+10mg/m ³ inhalable, no asbestos & quartz<1% (PNOC) TLV-TWA=3mg/m ³ respirable, no Asbestos & quartz<1% (PNOC)	None
Boric Acid H ₃ BO ₃ #10043-35-3	Not more than 15%	Same as above	None

Note: Boric acid is classified as hazardous under the OSHA Hazard Communication Standard based on animal chronic toxicity studies.
See Sections 3 and 4 for details.

HMIS Rating

Health 1
Flammability 1
Reactivity 0
Personal Protection E

National Fire Protection Association (NFPA)

Red (Flammability) 0
Yellow (Reactivity) 0
Blue (Acute Health) 1
Chronic Effects

SECTION 3 – HAZARD IDENTIFICATION

Physical Characteristics

(1) Boiling Point:	N/A
(2) Vapor Density:	N/A
(3) Solubility in Water:	Fiber is not soluble; dispersible
(4) Specific Gravity (H ₂ O=1):	Not applicable
(5) Reactivity in Water	None
(6) Melting Point	Not applicable

Potential Health Effects

(1) Inhalation	Slightly irritating; Avoid prolonged breathing
(2) Eyes	Slight irritant; Flush with water in case of eye contact
(3) Ingestion	Unlikely to cause harm
(4) Skin	Does not normally irritate skin
(5) Acute	None
(6) Chronic	None
(7) Cancer	None known

SECTION 4 – FIRST AID

Eye Contact:	Flush with clean water. If symptoms persist, seek medical attention
Skin Contact:	No reaction expected but if sensitivity occurs, wash with water and mild detergent
Inhalation:	Not easily respirable. If respirable symptoms develop, move victim to fresh air. If symptoms persist, seek medical attention
Ingestion:	No first aid is normally required. If symptoms develop, give victim large amounts of water. Do not induce vomiting. Seek medical attention

SECTION 5 – FIRE FIGHTING PROCEDURES

(1) Flash Point:	Not applicable
(2) Combustible	Product may decompose from extreme temperatures and open flame

(3) Flammable Limits	LEL: Not applicable	UEL: Not applicable
(4) Autoignition	Not determined	
(5) Explosion Hazard	None known	
(6) Extinguishing Media	Use Type A rated extinguisher and/or water	

SECTION 6 - SPILL PROCEDURES

Emergency Action:	None generally required
Spills:	Shovel, rake or vacuum into disposal container
Waste Disposal:	Dispose of in accordance with local, county and federal regulations

SECTION 7 - STORAGE AND SPECIAL PRECAUTIONS

(1) Before Installation	Keep fiber package dry at all times
(2) During and After Installation:	<p>Extreme moisture or repeated wetting may cause fire retardant chemicals to leach out</p> <p>Keep material away from recessed light fixtures, exhaust flues of furnaces, water heaters, space heaters or other heat producing devices</p> <p>Do not expose to open flame or contact with surfaces above 160° F</p> <p>Product should be isolated at all times from furnaces, cold air returns to prevent being drawn into the systems</p> <p>Do not install product over soffit vents or other ventilation passageways</p>

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory:	A NIOSH approved dust respirator should be worn when applicable dust standards are exceeded
Ventilation:	Adequate ventilation should be available to maintain dust levels below applicable standards on respirable and total nuisance dust
Skin:	No protection normally required
Eye:	When appropriate, suitable eye protection to safeguard against potential eye contact, irritation or injury is recommended.
Other:	Washing facilities should be available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

(1) Vapor Pressure:	Negligible @ 20° C
(2) pH:	7.4 (2% solution @ 20° C)
(3) Melting Point:	N/A
(4) Appearance:	Gray, odorless fiber
(5) Viscosity:	N/A
(6) Bulk Density:	9 lbs/ft ³ compressed
(7) Flash Point:	N/A
(8) Solubility in Water	Not soluble

SECTION 10 - STABILITY AND REACTIVITY

Stable:	Yes
Incompatible Materials to Avoid:	Strong acids and reducing agents; Contact with metal hydrides or alkali metals will produce hydrogen gas which is an explosive hazard
Hazardous Decomposition:	None known
Hazardous Polymerization:	None known

SECTION 11 - TOXICOLOGICAL INFORMATION

Boric Acid

(1) Eye	None listed
(2) Skin	Mild irritation based on Standard Draize Test. LDLo, skin, human, 1200 mg/kg
(3) Ingestion	LDLo, oral, human, 429 mg/kg. Oral, rat, 2600 mg/kg
(4) Inhalation	LCLo, inhalation, rat, 28 mg/m ³ /4H
(5) Subchronic	TDLo, oral, rat, 45 gm/kg/90D-C
(6) Chronic	TDLo. Oral, rat, 244 gm/kg/2Y-C
(7) Teratology	None reported
(8) Reproduction	TDLo, oral, rat, 6600 mg/kg, specific developmental abnormalities – musculoskeletal system
(9) Mutagenicity	Mutation in microorganisms, Escherichia Coli, 17000 ppm/24H

Ammonia Sulfate

(1) Eye	None listed
(2) Skin	None listed
(3) Ingestion	LDLo, oral, human, 1500 mg/kg, diarrhea, nausea, LD50, oral, rat, 2840 mg/kg
(4) Inhalation	None reported
(5) Subchronic	None reported
(6) Chronic	None reported
(7) Teratology	None reported
(8) Reproduction	None reported
(9) Mutagenicity	None reported

Wheat Starch

(1) Eye	None reported
(2) Skin	Mild irritation based on Standard Draize Test
(3) Ingestion	None reported
(4) Inhalation	None reported
(5) Subchronic	None reported
(6) Chronic	None reported
(7) Teratology	None reported
(8) Reproduction	None reported
(9) Mutagenicity	None reported

SECTION 12 – ECOLOGICAL INFORMATION

Boric Acid

(1) Ecotoxicity LC50, Daphnia magna, 133 mg/l/48H. RfD, oral, human, 0.09 mg/kg/day, testicular atrophy, spermatogenic arrest. LC50, Trout, 100 ppm

(2) Chemical Fate Boron is absorbed into clay particles, with the maximum absorption in the pH range of 7-9. The amount of boron absorbed depends on the surface area of the clay

Ammonia Sulfate

(1) Ecotoxicity TLm, Daphnia magna, 423 mg/L/24H

(2) Chemical Fate Not listed

Wheat Starch

(1) Ecotoxicity Not listed

(2) Chemical Fate Not listed

SECTION 14 - TRANSPORT INFORMATION

No known restrictions. May be shipped as non-hazardous material

SECTION 15 – REGULATORY INFORMATION

Superfund - This product is not listed under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) or its 1986 amendments, the Superfund Amendments and Reauthorization Act (SARA, including substances listed under Section 313 of SARA, Toxic Chemicals, 42 USC 11023, 40 CFR 372.65; Section 302 of SARA Extremely Hazardous Substances, 42 USC 11002, 40 CFR 355; or the CERLA Hazardous Substances list, 42 USC 9604, 40 CFR 302.

RCRA - This product is not listed as a hazardous waste under any sections of the Resource Conservation and Recovery Act or regulations (40 CFR 261 et seq.)

Safe Drinking Water Act – This product is not regulated under the SDWA, 42 USC 300g-1, 40 CFR 141 et seq. See state and local regulations for possible water quality regarding boron and ammonia

California Proposition 65 – This product is not listed on any Proposition 65 lists of carcinogens or reproductive toxicants

OSHA Carcinogen – Not listed

Clean Water Act (Federal Water Pollution Control Act) – 33 USC 1251 et seq.: This product is not itself a discharge covered by any water quality criteria of Section 304 of the CWA, 33 USC 1314. This product is not on the Section 311 List of Hazardous Substances, 33 USC 1321, 40 CFR 116

TSCA No. – This product does not appear on the EPA TSCA inventory list. Ammonia sulfate and boric acid appear on the EPA TSCA inventory list under CAS Nos. 7783-20-2 and 10043-35-3 respectively.

OSHA/Cal/OSHA – This MSDS document meets the requirements of both OSHA and Cal/OSHA hazard communication standards.

IARC – The international Agency for Research on Cancer does not list or categorize this product as a carcinogen.

NTP Annual Report on Carcinogens – Not listed

SECTION 16 – OTHER INFORMATION

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.

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