Safety Data Sheet

Section 1 – Product and Company Information:

Product Identifier: Weather Blanket
Recommended Use: Cellulose Insulation
Manufacturer's Name / Address / Phone Number: Weather Blanket Insulation
1249 S Hickory St, Fond du Lac, WI 54937 & 1206 South Monroe Street, Spencer, WI 54479
920-214-5810
Composition: Secondary wood fiber paper stock (recycled wastepaper) and fire retardant.
Chemical Family: Cellulose Fibers **Effective:** 1/1/2022

Section 2 - Hazard Identification:

Hazard Classification: None
Hazard Pictogram: None
Signal Word: None
Hazard Statements: None
Precautionary Statements: None
Other Hazards Which Do Not Result In Classification: None

Section 3 – Composition and Ingredient Information:

Component	CAS#	% By Weight
Cellulose Fiber	65996-61-4	≥86%
Boric Acid	10043-35-3	≤14%

Section 4 – First Aid Measures:

Ingestion: Not intended for ingestion. Not a supplement or replacement for human or animal dietary fiber. See physician if ingested.
Skin: Does not normally itch or irritate skin. If skin is broken or sensitive, wash with soap and water.
Inhalation: Dust may irritate nose or throat. If continued difficulty exists, move to fresh air. Seek medical attention if conditions persist. Smoking will impair the ability of the lungs to clear themselves of dust.
Eyes: Dust may cause eye irritation. Use liquids suitable to cleanse eye for several minutes. If irritation persists, seek medical attention.

Section 5 - Fire Fighting and Explosion Hazards:

Extinguishing Media: Water or any other agent rated for a wood fire (Type A).
Unsuitable Extinguishing Media: None known.
Specific Hazards: Products of combustion may include but not limited to oxides of carbon
Special Fire Fighting Procedures: Use standard procedures with full protective clothing and respiratory equipment (SCBA).

Section 6 – Accidental Release Measures;

General: Use good housekeeping to minimize dust levels below the exposure limits listed in Section 8. See section 8 for further information on protective clothing and equipment and section 13 for disposal.

In Case of Spill: Shovel or sweep up and place in suitable container for disposal. Minimize dust generation. Do not dispose in sewers or waterways.

Section 7 - Handling and Storage Information:

General: Avoid contact with skin and eyes. Avoid breathing dust. Do not swallow. Handle and open package with care. Good housekeeping is important to prevent accumulation of dust. When using do not eat, drink, or smoke. Launder contaminated clothing before reuse. Wash hands before eating, drinking, and smoking.

Storage: Keep out of the reach of children. Dry storage is recommended at ambient temperatures and atmosphere. Do not store near open flames or temperatures above 180°F.

Exposure Controls: See section 8.

Section 8 – Exposure Controls / Personal Protection Information:

Exposure Control:

OSHA PEL-TWA = 15 mg/m^3 total dust
OSHA PEL–TWA = 5 mg/m^3 respirable faction
Cal OSHA PEL = 10 mg/m^3 total dust
ACGIH TLV-TWA = 10 mg/m^3 total dust
ACGIH TLV-TWA = 5 mg/m^3 respirable faction

Hand Protection: Wear suitable gloves.

Eye Protection: Safety glasses or goggles are recommended when using product.

Inhalation: Wear suitable respirator for conditions.

Skin and Body Protection: Wear suitable protective clothing.

Other Information: Do not eat, smoke, or drink where material is handled, processed or stored. Wash hands carefully before eating, drinking, or smoking. Handle according to established industrial hygiene or safety practices.

Section 9 – Physical / Chemical Characteristics

Appearance: Grayish milled fiber
Odor Threshold: No data available.
Bulk Density: 1.4 lb/ft^3 per ASTM C739
Boiling, Melting Point: Not Applicable
Vapor Pressure: No data available.
Solubility: Insoluble, dispersible
Auto-ignition temperature: No data available.
Decomposition Temperature: No data available.
Partition Coefficient: No data available.

Odor: None to slight paper odor.
pH: 6.0 to 8.0
Evaporation Rate: Not Applicable
Viscosity: Not Applicable
Reactivity in Water: None
Fiber Flash Point: ≥ 550 degree F
Flammability: Not flammable.
Explosive Limits: No data available.
Freezing Point: No data available.

Section 10 – Stability and Reactivity Data

Reactivity: No dangerous reaction known under conditions of normal use.

Stability: Stable under normal storage conditions.

Possibility of Hazardous Reactions: None under normal use.

Conditions to Avoid: Moisture and incompatible materials.

Incompatible Materials: Chlorates, nitrates, strong oxidizers, and reducing agents.

Hazardous Decomposition Products: May include but not limited to oxides of carbon.

Section 11 – Toxicological Information

Routes of Exposure: Inhalation is the most significant route of exposure in occupational and other settings. Dermal exposure is not usually a concern as cellulose and boric acid is poorly absorbed through intact skin. This product is not intended for ingestion.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics: Products containing this product are not intended for ingestion. Contact of dust with the eyes causes redness, pain, and inflammation of the eyelids. If inhaled, other symptoms include runny nose, sneezing, and coughing.

Acute Toxicity for concentrated components:

Cellulose:
Oral LD_{50} (rat): >5,000 mg/kg of body weight
Dermal LD_{50} (rabbit): >2,000 mg/kg of body weight
Inhalation LC_{50} (rat): >5.8 mg/L
Dermal irritation/corrosivity: Nonirritating, nonsensitizing.
Eye irritation:.No information found.

Boric acid:
Oral LD_{50} (rat): 2,550 mg/kg of body weight
Dermal LD_{50} (rabbit): >2,000 mg/kg of body weight
Inhalation LC_{50} (rat): >2.01 mg/L
Dermal irritation/corrosivity: Nonirritating, nonsensitizing.
Eye irritation:.Nonirritating

Germ Cell Mutagenicity:
No information found.

Carcinogenicity:
Cellulose and boric acid are not listed as a known or suspected carcinogens by OSHA, ACGHI, NTP, or IARC.

Reproductive Toxicity: Borate-treated cellulose insulation contains boric acid and cellulose fiber. Borate-treated cellulose insulation was tested for purposes of hazard classification under the Occupational Safety and Health Administration's 2012 Hazard Communication Standard.

In a study conducted under OECD Guideline 414, there were no developmental effects in rats exposed to up to 270 mg/m^3 (the highest exposure tested). In workers chronically exposed to high levels of borates for several years by way of inhalation, food, and drinking water, there was a clear absence of any reproductive effects.

Classification: No classification.

Section 12 – Ecological Consideration:

Not listed as a known marine pollutant according to the IMDG Code. Not known as environmentally hazardous according to UN Model Regulations, ADR, RID, and ADN.

Cellulose insulation: No information found.
Phytotoxicity: Boron is an essential micronutrient for healthy growth of plants. It can be harmful to boron sensitive plants in higher quantities. Care should be taken to minimize the amount released to environment.
Persistence and Degradability: Boron is naturally occurring and ubiquitous in the environment. Boric acid decomposes in the environment to natural borate.
Bioaccumlative Potential: Not significantly bioaccumulative.
Mobility in Soil: This product is soluble in water and is leachable through normal soil. Adsorption to soils or sediments is insignificant.

Section 13 - Waste Disposal:

Dispose in accordance with all applicable federal, state, and local environmental regulations. Dispose as a non-hazardous waste. Not considered hazardous per Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261). Do not dispose in sewers or waterways.

Section 14 – Transportation Information;

General: Transport in accordance with DOT. Not regulated for transport.

Section 15 – Regulatory Information

Superfund – CERCLA/SARA. 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 110002, 40 CFR 355; or the CERCLA 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.)
EPCRA: Not considered a hazardous material and a delayed health hazard by the EPA.
TSCA No: This product does not appear on the EPA TSCA inventory list.
IARC: Not listed on The International Agency for Research on Cancer as a carcinogen.
NTP Annual Report on Carcinogens: Not listed.
Safe Drinking Water Act: This product is not regulated under the SDWA, 42 USC 300g-1, 40 CFR141 et seq.

Section 16 – Other Information

Disclaimer / Statement of Liability: The information presented has been compiled from sources considered to be dependable and is reliable to the best of our knowledge but is not guaranteed to be so. This Safety Data Sheet is offered solely for your information, considerations, and investigations. This SDS is not to be construed as recommending any practice or product in violation of any law or regulation. The user is responsible to determine the suitability of the material for a specific purpose and adopt necessary safety precautions.

This SDS was finalized on January 1, 2022 and is compliant with OSHA HCS/HazCom 2012 Final Rule. This replaces all previous dated versions.