Climatizer Plus™ Cellulose Insulation
Safety Data Sheet

Canadian Regulation SOR/88-66, SOR/2016-177
OSHA Regulation 29 CFR 1910.1200

SECTION 1: IDENTIFICATION

Product Identifier:	Cellulose Fibre Insulation
Product Name:	Climatizer Plus™ Cellulose Insulation
Synonyms:	Cellulose Insulation
Description:	Paper fibres treated with fire retardants
Recommended Use:	Cellulose Insulation for use in residential, commercial and industrial buildings/ dwellings
Manufacturer:	Climatizer Insulation: 120 Claireville Drive, Etobicoke, ON M9W5Y3
Contact Information:	t: 416-798-1235 f: 416-798-1311 www.climatizerinsulation.com | info@climatizerinsulation.com
Emergency Contact:	(416) 798-1235 or info@climatizerinsulation.com

SECTION 2: HAZARD IDENTIFICATION

This product is not considered hazardous under the criteria of the following agencies: Canadian Regulation SOR/88-66; Federal OSHA Hazard Communication Standard 29CFR 1910.1200; and European Regulations (EC) No. 1907/2006 and No. 1272/2008 and the European Council Directives 67/548/EEC and 1999/45/EC

SECTION 3: COMPOSITION

Component	CAS#	% BY WEIGHT
Cellulose fibres (recycled paperstock) $C_6H_{10}O_3$	#65996-61-4	Not more than 87%
Boric Acid H_3BO_3	#10043-35-3	Not more than 10%

SECTION 4: FIRST AID MEASURES

Eye Contact:	For severe dust exposure, flush eyes with warm water for 15 minutes. If irritation persists, seek medical attention
Skin Contact:	If broken skin is exposed, wash with soap and water. If irritation persists, seek medical attention
Inhalation:	If irritation or difficulty breathing occurs, remove exposed person to fresh air. If irritation persists, seek medical attention
Ingestion:	If ingestion occurs, symptoms may include diarrhea, nausea and vomiting. Seek medical attention if material was ingested and symptoms occur
Physicians Note:	Severe exposure to dust may aggravate symptoms of environmentally sensitive persons or those with pre-existing respiratory conditions.

SECTION 5: FIRE-FIGHTING MEASURES

Although Climatizer Plus™ Cellulose Insulation is chemically treated for superior fire resistance, thermal decomposition can occur when in prolonged contact with extreme temperature and open flame.

Suitable Extinguishing Media:	Any available media. Use Type A rated extinguisher.
Unsuitable Extinguishing Media:	None
Special Hazards:	None
Required PPE for Fire Fighters:	Standard Protective Equipment

SECTION 6: ACCIDENTAL RELEASE MEAURES

Personal Precautions:	Nuisance dust; wear dust mask if respiratory sensitivities or illness pre-exist.
Emergency Procedures:	N/A
Environmental Precautions:	Untreated cellulose fibres are biodegradable and will not cause damage to vegetation via root absorption. Thus product will not cause localized contamination of surrounding waters and poses no known hazard to aquatic life.
Clean up Procedures:	Sweep, shovel and/vacuum released material and place in containers for disposal in accordance with applicable regulations.

SECTION 7: HANDLING AND STORAGE

Handling:	No special handling is required
Storage:	Covered indoor storage is recommended (ambient temperature and pressure)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Permissible Exposure Limits:	OSHA PEL-TWA = 15mg/m^3 total dust (PNOC) OSHA PEL-TWA = 5mg/m^3 respirable faction OSHA PEL-TWA = 10mg/m^3 total dust
Threshold Limit Values:	ACGIH TLV-TWA = 10mg/m^3 inhalable (PNOC) ACGIH TLV-TWA = 5mg/m^3 respirable faction
Engineering Controls:	No specific controls are needed. Use standard good housekeeping practices to minimize potential dust generation and accumulation. Ventilation requires local exhaust.
Personal Protective Measures:	
Eye Protection:	Not required. If excessive dust present, approved eye protection is recommended.
Hand Protection:	Not required. If skin in broken, wear suitable gloves.
Respiratory Protection:	NIOSH approved respirator N-95.
Hygiene Measures:	Handle according to established industrial hygiene and/or safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	**Water Solubility:**	Insoluble, Dispersible
Appearance:	Grey-fibrous	**Boiling Point:**	N/A
Odour:	Low to no odour	**Flash Point:**	N/A
Explosive Limits:	None	**Evaporation Rate:**	N/A
Vapour Pressure:	N/A	**Flammability (Solid, gas):**	N/A
Odour Threshold:	N/A	**Partition Coefficient:**	Not established
Vapour Density:	N/A	**Auto-Ignition Temperature:**	>250°
pH:	6.8 to 8.5 (20g in 150mL H_20)	**Decomposition Temperature:**	Not established
Relative Density:	N/A	**Viscosity:**	N/A
Melting/Freezing Point:	N/A		

SECTION 10: STABILITY AND REACTIVITY

Stability of Product:	This is a stable product.
Conditions/materials to avoid:	Avoid extreme heat or open flame.
Hazardous decomposition products:	None.
Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Physical State:	Solid	**Water Solubility:**	Insoluble, Dispersible
Appearance:	Grey-fibrous	**Boiling Point:**	N/A
Odour:	Low to no odour	**Flash Point:**	N/A
Explosive Limits:	None	**Evaporation Rate:**	N/A
Vapour Pressure:	N/A	**Flammability (Solid, gas):**	N/A
Odour Threshold:	N/A	**Partition Coefficient:**	Not established
Vapour Density:	N/A	**Auto-Ignition Temperature:**	>250°
pH:	6.8 to 8.5 (20g in 150mL H_20)	**Decomposition Temperature:**	Not established
Relative Density:	N/A	**Viscosity:**	N/A
Melting/Freezing Point:	N/A		

SECTION 12: ECOLOGICAL INFORMATION

CELLULOSE FIBRE

Ecological Toxicity:	This product has no known eco-toxicological effects
Biodegradation:	Biodegrades slowly in water (half-life range 1 month-1year in freshwater and coastal seawater)
Bioaccumulative Potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

SECTION 12: ECOLOGICAL INFORMATION (CON'T)

BORIC ACID:

Ecological Toxicology:	Based on the acute data for freshwater species, Boric Acid is not classified as hazardous to the environment
Biodegradation:	Biodegradation is not an applicable endpoint as Boric Acid is not an inorganic substance
Bioaccumulative potential:	This product will undergo hydrolysis in water to form undissociated Boric Acid. Boric Acid will not bioaccumulate through the food chain
Mobility in Soil:	Boric Acid is soluble in water and is leachable through normal soil. Absorption to soils or sediments is insignificant.
Other Adverse effects:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

As a non-hazardous waste, dispose in accordance with all municipal, provincial, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Climatizer Plus cellulose insulation may be shipped normally as a non-hazardous material.

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Act (HPA) and the Controlled Products Regulations (CPR0 and complies with Canadian Regulation SOR/88-66.
This product complies with OSHA Regulation 29 CFR.1910.1200.
This product is not listed on any California Proposition 65 lists of carcinogens or reproductive toxicants.
This product complies with European Regulations (EC) No. 1907/2006 and No. 1272/2008 and the European Council Directives 67/548/EEC and 1999/45/EC.
This product in included in the scope of Climatizer Insulation's Quality Management System certified according to the ISO 9001:2008

SECTION 16: OTHER INFORMATION

Prepared By:	Climatizer Insulation Inc.
Date of Preparation:	September 8, 2010.
Revision Number:	2
Date of Revision:	October 3, 2017.
Supercedes Edition:	June 17, 2017.

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