



THERMGUARD C.C.

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product identifier	Thermguard Cellulose Fibre Thermal and Acoustic Insulation		
Manufacturers Information	Thermguard CC		
	106 Plane Road	P.O. BOX 36769	
	Spartan, Kempton Park, 1619	Menlo Park, 0102	
	011 018 7800		
Product Description and Use	Thermguard cellulose fibre insulation is a non-hazardous, natural insulation made from recycled newspaper and treated with fire retardant chemicals (it does not contain asbestos or glass fibre). It is a residential / commercial thermal and acoustic insulation.		
Date of MSDS Preparation	June 2019	Rev: 2	

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	% By Weight	Exposure Limits
Newsprint (Cellulose Fibre)			Up to 85%	See Section 8
Boric Acid	10043-35-3	233-139-2	Not more than 7%	See Section 8
Magnesium Sulphate	10034-99-8		Not more than 15%	See Section 8

SECTION 3 - HAZARD IDENTIFICATION

Relevant Routes of Exposure	Eye contact skin contact, inhalation and ingestion	
	Eye	Slight irritation
	Skin	Not generally, unless skin is broken
	Inhalation	Slight irritation to upper respiratory tract (coughing, sneezing)

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	Ingestion	Symptoms may include nausea, vomiting, diarrhoea
This product is listed as a "nuisance dust".		

SECTION 4 - FIRST AID MEASURES

Eyes	Flush eyes with copious amounts of warm water.
Skin	Wash skin with soap and water. If skin is broken flush area with warm water.
Inhalation	If difficulty in breathing occurs, remove to fresh air.
Ingestion	Rinse mouth and drink plenty of water, seek medical attention if symptoms occur.
Note to physician	Exposure to dust may aggravate symptoms of persons with pre-existing respiratory conditions.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point and method	Not applicable
Upper and lower flammable (explosive) limits in air	Not applicable
Auto-ignition temperature	270C (dry condition)
Hazardous combustion products	Primarily CO and CO2
Conditions under which flammability could occur	Extreme heat and open flame for sustained periods.
Extinguishing media	Foam, water, CO2 and dry chemical
Sensitivity to explosion by mechanical impact	None
Sensitivity to explosion by static discharge	None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Procedures for dealing with a release or spill	Sweep and/or vacuum up material. Dispose of as per chapter 13.
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SECTION 7 - HANDLING AND STORAGE

Handling practices and equipment	Use care to minimize dust in surrounding airspace.
Appropriate storage practices & requirements	Store in a cool, dry, well-ventilated area away from sources of heat and open flame.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Applicable control measures, including engineering controls	Provide adequate local ventilation.
Personal protective equipment for each exposure route	Eyes - Safety goggles if environment is excessively dusty
	Skin - If skin is broken or sensitive, use gloves
	Respiratory - Nuisance dust mask if environment is excessively dusty

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SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance	Loose, fibrous, grey material
Odour	None
Physical State	Solid
pH	6.8 to 7.4
Vapour Pressure and Reference Temperature	Not Applicable
Vapour Density	Not Applicable
Boiling Point	Not Applicable
Freezing/Melting Point	Not Applicable
Specific Gravity or Density	Not Applicable
Evaporation Rate	Not Applicable
Partition Coefficient	Not Applicable
Odour Threshold	Not Applicable
Viscosity	Not Applicable
Solubility in Water	Material is not soluble; it will absorb water.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to Avoid	Contamination from oils, fuels and other combustible materials
Incompatibility with other materials	Presence of alkalis (bases) may cause the release of NH ₃ gas when mixed with water
Hazardous Decomposition Products	None known
Hazardous Polymerization	Will not occur

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SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Short-term (Acute) Exposure	See Section 3	
Effects of Long-term (Chronic) Exposure	None known	
Irritancy	May cause slight irritation to sensitive individuals	
Sensitization	May be allergenic to some	
Carcinogenicity / Teratogenicity / Mutagenicity	Not listed	
Name of Toxicologically Synergistic Products	None	
Exposure Limits	TLV = 10 mg/m ³ TWA	PEL = 15 mg/m ³ Total Dust
Toxicity	LD50 > 5 g/kg oral (rat)	LC50 > 5800 mg/m ³ /4H inhalation (rat)

SECTION 12 – ECOLOGICAL INFORMATION

Boric acid is practically non-toxic to fish, aquatic invertebrates and birds. It has a low bioaccumulation potential.

SECTION 13 - DISPOSAL INFORMATION

DISPOSAL INFORMATION	Bag and dispose as a non-hazardous waste in accordance with local regulations.
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SECTION 14 - TRANSPORT INFORMATION

Shipping Information such as Shipping Classification	May be transported normally as non-hazardous material. Protect against weather effects.
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SECTION 15 - REGULATORY INFORMATION

Follow OHSA and other applicable regulations
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SECTION 16 - OTHER INFORMATION

The information presented in this MSDS was obtained from sources believed to be true and accurate and up to date. Thermguard CC provides no warranties whether expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein.