Material Safety Data Sheet

ThermaVolt™ rev: 00

1. PRODUCT AND COMPANY IDENTIFICATION

SUBSTANCE IDENTIFICATION:

Materials containing the term **ThermaVolt™** in the product name. This includes laminates of ThermaVolt containing polyester film, glass cloth, or glass scrim.

USE OF THE SUBSTANCE: Primarily used as electrical insulation.

MANUFACTURER: INNOVATIVE PAPER TECHNOLOGIES, LLC.

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2. COMPOSITION / INFORMATION ON INGREDIENTS

ThermaVolt contains silicate particles and glass microfibers (>60%) and organic fibers and latex binder (<40%).

3. HAZARDS IDENTIFICATION

Air-borne dust containing silicate particles and glass microfibers may irritate eyes, skin, and respiratory system. Excessive exposure to dust or combustion products may reduce lung function or aggravate the symptoms of pre-existing respiratory diseases.

Material processing may cause static build-up. Discharge into dust or solvent may cause flash fire or explosion.

4. FIRST AID AND EMERGENCY MEASURES

Inhalation: Move person to fresh air. Drink water to clear throat. Blow nose. If irritation persists, consult a physician.

Skin Contact: Wash affected area gently with soap and water. If irritation persists, consult a physician. Personal sensitivity to glass fiber varies, and usually decreases over time.

Eyes: Flush eyes with clean water as needed. If irritation persists, consult a physician.

Ingestion: Do not induce vomiting. Consult a physician immediately.

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5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Suitable for the surrounding fire (water, ABC dry chemical and protein-type air foams). CO_2 is not recommended due to its lack of cooling capacity.

COMBUSTION PRODUCTS: Carbon and nitrogen oxides, and hydrocarbons.

PERSONAL PROTECTION: In poorly ventilated areas, wear positive pressure self-contained breathing apparatus (SCBA) during fire-fighting and cleanup activities.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Provide appropriate exhaust ventilation to reduce air-borne dust. In case of insufficient ventilation, wear suitable respiratory equipment.

ENVIRONMENTAL PRECAUTIONS: No specific precautions required.

CLEAN UP METHODS: Vacuum or sweep up dust and small pieces. Place waste in plastic bags and seal. Dispose of material in accordance with national, state, and regional regulations.

7. HANDLING AND STORAGE

HANDLING: Minimize dust formation. Provide appropriate exhaust ventilation or wear suitable respiratory equipment if necessary.

STORAGE: Store in a dry area.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES: Belgium 2 mg/m^3 respirable dust, France 10 mg/m^3 total dust, Ireland 2 mg/m^3 respirable dust, Israel 10 mg/m^3 total dust, Japan 0.5 mg/m^3 respirable dust, Netherlands 10 mg/m^3 total dust, Portugal 2 mg/m^3 respirable dust, Spain 2 mg/m^3 respirable dust, Switzerland 6 mg mg/m^3 respirable dust, United Kingdom 2 mg/m^3 respirable dust, United States 10 mg/m^3 total dust, 5 mg/m^3 fibrous glass, and 0.1 mg/m^3 free silica.

ENGINEERING CONTROLS: Use mechanical ventilation to control exposure.

RESPIRATORY PROTECTION: Wear a respirator in accordance with local, state, or regional regulations to protect against high levels of air-borne dust.

EYE PROTECTION: Wear safety glasses with side shields to protect against flying debris. Wear goggles to protect against high levels of air-borne dust.

SKIN AND BODY PROTECTION: Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure potential.

HAND PROTECTION: Use gloves as needed to protect against cuts or skin irritation.

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9. PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION: The color of these materials ranges from white to tan.

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION:

Flammability:	Easily flammable.
Explosive properties:	Not applicable.
Solubility (H_2O, HCL, NaOH, Others)	Unknown.

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Open flame, fire.

MATERIALS TO AVOID: Strong acids, bases, and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon/nitrogen oxides, and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

There is no toxicological information available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: These materials pose no known ecological risk.

MOBILITY: Not applicable.

PERSISTANCE AND DEGRADEABILITY: The inorganic ingredients will not degrade in the normal environment. The degradation rate of the organic ingredients is unknown.

BIOACCUMULATIVE POTENTIAL: Unknown.

OTHER ADVERSE EFFECTS: Unknown.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, or regional regulations (Directive 91/692/EEC, European Waste Catalogue Number (EWC) 060299.

If these materials are contaminated with more hazardous and/or restricted materials, apply the more stringent disposal regulations of those materials.

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14. TRANSPORT INFORMATION

D.O.T.	not classified as hazardous
ADR/RID	no restriction.
ADN/ADNR	no restriction.
IMDG/IMO	no restriction.
IACO/IATA	no restriction.

15. REGULATORY INFORMATION

EC LABELING: This product is not classified as dangerous according to Directive 1999/45/EC and no warning label is required.

There are no restrictions on marketing or use under Directive 76/769/EEC.

16. FINAL CONSIDERATIONS

The information provide in this safety data sheet is based upon the information contained in the safety data sheets of the ingredients of these materials, and is believed to be accurate and complete at the time of publication.

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