



## Material Safety Data Sheet

Product Name: Bafflo® Ventilation Baffle

Product: Corn Starch, Industrial Corn Starch; Product Number 1100

### Section I- Manufacturer Identification

**Manufacturer:** Insulation Solutions, Inc.  
**Address:** 401 Truck Haven Road, East Peoria, IL 61611  
**Emergency Phone:** 309-698-0062  
**Date Prepared:** October 2004

### Section II- Physical Data

<b>Appearance and Order:</b>	White odorless powder	<b>Solubility in Water:</b>	Insoluble
<b>Boiling Point:</b>	N/A	<b>Melting/Freezing Point:</b>	N/A
<b>Specific Gravity (Water=1):</b>	Approx. 1.5	<b>Percent by Weight:</b>	88-92%
<b>Vapor Density (Air=1):</b>	N/A	<b>Vapor Pressure</b>	
		<b>(mm of Hg):</b>	N/A
<b>Physical State:</b>	Solid	<b>pH:</b>	N/A
<b>pH (in 20% solution):</b>	3.5-8.0		

### Section III- Hazardous Ingredients and Reactivity

<b>Hazardous Ingredients:</b>	None	<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Product will not undergo polymerization	<b>VOC:</b>	None
<b>Incompatibility with Other Materials:</b>	Oxidizing Materials	<b>Conditions to Avoid:</b>	None
<b>NFPA Reactivity Hazard Class:</b>	0 (insignificant)	<b>Hazardous Decomposition Products:</b>	None

### Section IV- Fire and Explosion Data

#### Flammable Properties:

<b>Flash Point:</b>	N/A	<b>NFPA Flammability Hazard Class:</b>	1
<b>Upper Explosion Limit (%):</b>	N/A	<b>Lower Explosion Limit (%):</b>	N/A

**Autoignition/Explosion and Fire Hazards:** Minimum ignition temperature of dust cloud is 680° F. Minimum dust concentration in cloud for explosion to occur is 80mg/l.

**Extinguisher Media:** Water, dry chemical, CO<sub>2</sub>, Foam  
**Firefighting Instructions:** Avoid procedures that could cause a dust cloud to be formed.

### Section V- Health Hazard Information

#### Powdered material may form explosive dust-air mixtures.

<b>Eyes:</b>	May cause slight irritation	<b>Inhalation:</b>	No hazard in normal industrial use
<b>Skin:</b>	No hazard in normal industrial use	<b>Ingestion:</b>	No hazard in normal industrial use

**Section VI- Emergency and First Aid Procedures**

**Eye Contact:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If eyes get irritated, ask for medical advice.  
**Skin:** Wash skin thoroughly with soap and water. If irritation develops, seek medical attention.  
**Inhalation:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If breathing difficulty develops, seek medical advice.  
**Ingestion:** None.

**Section VII- Employee Protection Information**

*The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary depending on customer applications, a person knowledgeable of the intended use conditions and equipment should develop specific safe handling procedures.*

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment:**

**Eye Face Protection:** Safety glasses/shields are optional  
**Skin protection:** N/A  
**Respiratory Protection:** NIOSH approved dust mask

**Section VIII- Environmental Protection Procedures**

**Spill Leak Procedures:** Vacuum or sweep up material and place in a disposal container. Avoid procedures that could cause a dust cloud to be formed.

**Waste Disposal Method:** Waste disposal should be in accordance with existing Federal, State and Local environmental regulations.

**Handling Procedures:** Use with adequate ventilation. May form flammable dust-air mixtures. Use spark-proof and explosion-proof equipment.

**Storage Procedures:** Store in a cool, dry and ventilated area away from heat and oxidizing agents. Avoid formation of starch dust.

**Other Precautions:** None

**Hazardous Materials Identification System (HMIS):**

Health.....1  
 Flammability.....0  
 Reactivity.....1  
 Personal Protection....X -Also see Section VII Employee Protection Information

**Section IX- Toxicological Information**

**Route(s) of Entry:**

<b>Inhalation:</b>	Nuisance Dust	<b>Skin:</b>	None
<b>Ingestion:</b>	None	<b>Health Hazards (Acute and Chronic):</b>	None

**Carcinogenicity:**

<b>NTP:</b>	No	<b>IARC Monographs:</b>	No
<b>OSHA Regulated:</b>	No		

---

**Section XI- Ecological Information**

Not Available.

---

**Section XII- Transport Information**

**DOT Information:** Not Available

---

**Section XIII- Regulatory Information**

**TSCA:** On TSCA Inventory.

**FDA:** This product is approved under one or more of the following sections of CFR 21: 182.1, 176.180, 176.170, 172.892, 170.30

**SARA Title III:** This product contains no substances at or above the reporting threshold under Section 313, based on data currently available.

---

**Section XIV- Special Precautions and Comments**

*Maintain eye wash fountain in the work place.*

*Revised October 2004 for HMIS information.*

---

**IMPORTANT:** The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations.