

# **Material Safety Data Sheet**

**Identity: Finn Hydrogel B**

## **Section I**

Hydrogel B is manufactured for Finn Corporation, 9281 LeSaint Dr. Fairfield, Ohio 45014. Information Phone (513)-874-2818, Emergency Phone (800)-242-2271.

## **Section II-Hazardous Ingredients/Identity Information**

Acrylamide potassium, Acrylate copolymer, crosslinked

OSHA PEL	NE
ACGIH TLV	NE
Other limits recommended	0.05 mg/m3*
CAS #	31212-13-2

\*Recommended inhalation exposure limit guideline. Small, less than 10 microns respirable polyacrylate. See also Section VI of MSDS

SARA Section 313 Reportable Toxic Chemicals-None

## **Section III-Physical and Chemical Characteristics**

Boiling point:	Solid NE
Vapor pressure (mmHg):	Less than 10
Vapor density (air=1):	Nil NE
Specific gravity (H2O=1):	Bulk density 0.4-0.7
Melting point:	Greater than 390°
Evaporation rate (butyl acetate=1):	Less than 1
Solubility in water:	Insoluble
Appearance and odor:	White granular powder, no odor

## **Section IV-Fire and Explosion Hazard Data**

Flash point (method used):	None
Extinguishing media:	Water, CO2, and dry chemical extinguishants
Special fire fighting procedures:	None
Unusual fire and explosion hazards:	Becomes slippery when in contact with water
Flammable Limits:	LEL, NE, UEL, NE

## **Section V-Reactivity Data**

Stability:	Stable
Conditions to avoid:	None known
Incompatibility (material to avoid):	None known
Hazardous Decomposition or by products:	None known
Hazardous polymerization	Will not occur
Conditions to avoid	None known

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## **Section VI-Health Hazard Data**

### **Routes of Entry:**

Inhalation: Yes  
Skin: No  
Ingestion: No

**Health Hazards (acute and chronic):** Acute (short term) inhalation of dust may cause mild irritation of upper respiratory tract (nose and throat) and lungs. Chronic (long term) inhalation exposure to rats for a lifetime (two years) using a sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced on non-specific inflammation and chronic lung injury at 0.2 mg/m<sup>3</sup> and 0.8 mg/m<sup>3</sup>.

At 0.8 mg/m<sup>3</sup>, tumors were seen in some animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects of any kind at 0.05 mg/m<sup>3</sup>.

Sodium polyacrylate had no effect in mutagenicity tests.

### **Carcinogenicity:**

NTP: No  
IARC: No  
OSHA: No

### **Signs and symptoms of exposure:**

Possible reddening, drying of skin or eyes with itching, burning or other discomfort; irritation of nose and throat.

### **Medical conditions generally:**

May aggravate existing respiratory conditions; skin conditions (due to drying effect)

### **Emergency and first aid procedures:**

Flush eyes thoroughly with water. If inhaled, move to source of fresh air. Call a physician regarding any continued discomfort.

## **Section VII-Precautions for Safe Handling and Use**

### **Steps in case of released/spilled:**

Collect material, avoid contact with water, as extremely slippery condition will result. Residuals are to be flushed thoroughly with water to the drain for normal wastewater treatment.

### **Waste disposal method:**

Dispose of in accordance with local, state and federal regulations. Non-hazardous waste material suitable for approved solid waste landfill.

### **Precautions to be taken in handling/storage:**

Do not get in eyes. Avoid prolonged skin contact. Do not inhale dust or ingest.

### **Other Precautions:**

Dusty conditions may irritate eyes and respiratory system. Wear goggles and mask.

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## **Section VIII-Control Measures**

### **Respiratory protection:**

Wear respirator or mask with high efficiency filter for particulate levels above 0.05 mg/m<sup>3</sup>.

### **Ventilation local exhaust:**

Ensure airborne particles are removed.

Mechanical:	Recommended
Protective gloves:	Recommended
Other protective clothes or equip:	None
Special:	Not required
Other ventilation:	Not required
Eye protection:	Safety glasses or goggles
Work/Hygienic practices:	Wash thoroughly after handling