

**Material Safety Data Sheet**  
May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**U.S. Department of Labor**  
**Occupational Safety and Health Administration**  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY**  
Polymer used in MiraCool Products

NOTE: Blank spaces are not permitted. If any item is not applicable, or no  
information is available, the space must be marked to indicate that.  
NA = Not Applicable; NE = Not Established; NH = Non-Hazardous

**SECTION I**

Manufacturer's Name <b>OccuNomix International Inc</b>	Emergency Telephone Number <b>631-474-0071</b>
Address (Number, Street, City, State, and ZIP Code) <b>585-10 North Bicycle Path</b>	Telephone Number for Information <b>631-474-0071</b>
<b>Port Jefferson Station NY 11776</b>	Date Prepared <b>September 10, 1998</b>
<b>www.occunomix.com</b>	Signature of Preparer (optional) <b>W.D.C.</b>

**SECTION II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Polyacrylate/Polyalcohol Copolymer</b>	<b>NE</b>	<b>NE</b>	<b>0.05 mg/m<sup>3</sup> *</b>	
<b>CAS No. 130672 - 62 - 7</b>				
<b>Polyalcohol polymer</b>	<b>NE</b>	<b>NE</b>		
<b>CAS No. 9002-89 - 5</b>				
<b>Post Treated - Trade Secret</b>	<b>NE</b>	<b>NE</b>		
<b>CAS No. Trade Secret</b>				

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

**SECTION III - Physical/Chemical Characteristics**

<b>Boiling Point</b> Solid	<b>NE</b>	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> Bulk Density	<b>0.4 - 0.7</b>
<b>Vapor Pressure (mm Hg)</b> Less than	<b>10</b>	<b>Melting Point</b> Greater than	<b>390° F</b>
<b>Vapor Density (AIR = 1)</b> Nil	<b>NE</b>	<b>Evaporation Rate</b> (Butyl Acetate = 1) Less than	<b>1</b>
<b>Solubility in Water</b> Insoluble			
<b>Appearance and Odor</b> White granular powder, no odor			

**SECTION IV - Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b> None	<b>Flammable Limits</b>	<b>LEL</b> NE	<b>UEL</b> NE
<b>Extinguishing Media</b> Water, CO <sub>2</sub> and dry chemical extinguishants			
<b>Special Fire Fighting Procedures</b> None			

**Unusual Fire and Explosion Hazards**  
Extremely slippery conditions are created if spilled product comes in contact with water

**SECTION V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	None known

Incompatibility (Materials to Avoid)

None known

Hazardous Decomposition or Byproducts

None known

Hazardous Polymerization

May Occur

Will Not Occur

X

Conditions to Avoid

None known

**SECTION VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	No	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 sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produces 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 Monographs?

No

OSHA Regulated?

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 Aggravated by Exposure

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 to Be Taken in Case Material is Released or Spilled

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

Waste Disposal Method

Dispose accordance with Local, State and Federal regulations. Non-hazardous waste material suitable for approved solid waste landfill.

Precautions to Be Taken in Handling and Storing

Handle as an eye irritant. Do not get into eyes. Avoid prolonged or repeated skin contact. Do not inhale dust. Do not ingest.

Other Precautions

Dusty conditions may irritate the eyes and respiratory system. Wear goggles and mask with high efficiency filter where dust is created.

**SECTION VIII - Control Measures**

Respiratory Protection (Specify Type)

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

Ventilation	Local Exhaust	Special
	Ensure airborne particles are removed.	Not required
	Mechanical (General)	Other
	Recommended	Not required
Protective Gloves		Eye Protection
	Recommended	Safety glasses or goggles
Other Protective Clothing or Equipment		Work/Hygienic Practices
	None	Wash thoroughly after handling