

**IDENTITY (As Used on Label and List)***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.

**Section I**

Manufacturer's Name OccuNomix International LLC	Emergency Telephone Number 631-474-0071
Address (Number, Street, City, State, and ZIP Code) 585-52 North Bicycle Path	Telephone Number for Information 631-474-0071
Port Jefferson Station, NY 11776	Date Updated 2009
www.occunomix.com	Signature of Preparer (optional)

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

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

**Section III - Physical/Chemical Characteristics**

Boiling Point Solid	NE	Specific Gravity (H <sub>2</sub> O = 1) Bulk Density	0.4 – 0.7
Vapor Pressure (mm Hg) Less Than	10	Melting Point Greater Than	390°F
Vapor Density (AIR = 1) Nil	NE	Evaporation Rate (Butyl Acetate = 1)	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	Flammable Limits	LEL NE	UEL NE
Extinguishing Media Water, CO <sub>2</sub> and dry chemical extinguishants			
Special Fire Fighting Procedures 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 None known
	Stable	X	
Incompatibility (Materials to Avoid) None known			

Hazardous Decomposition or Byproducts			
None known			
Hazardous Polymerization	May Occur		Conditions to Avoid None known
	Will Not Occur	X	

## Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? No	Ingestion? No
<b>Health Hazards (Acute and Chronic)</b>			
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> .			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
<b>Signs and Symptoms of Exposure</b>			
Possible reddening, drying of skin or eyes with itching, burning or other discomfort; irritation of nose and throat.			
<b>Medical Conditions Generally Aggravated by Exposure</b>			
May aggravate existing respiratory conditions, skin conditions (due to drying effect).			
<b>Emergency and First Aid Procedures</b>			
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 waste water treatment.
<b>Waste Disposal Method</b>
Dispose accordance with Local, State and Federal regulations. Non-hazardous waste material suitable for approved solid waste landfill.
<b>Precautions to Be taken in Handling and Storing</b>
Handle as an eye irritant. Do not get into eyes. Avoid prolonged or repeated skin contact. Do not inhale dust. Do not ingest.
<b>Other Precautions</b>
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

<b>Respiratory Protection (Specify Type)</b>			
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	Special Not required	
	Mechanical (General) Recommended	Other Not required	
<b>Protective Gloves</b> Recommended		<b>Eye Protection</b> Safety glasses or goggles	
<b>Other Protective Clothing or Equipment</b> None		<b>Work/Hygienic Practices</b> Wash thoroughly after handling	