MATERIAL SAFETY DATA SHEET OSHA Standard 29 CFR 1910.1200

NE = not established
NA = not applicable

PRODUCT IDENTITY: Sodium Polyacrylate Superabsorbent Polymer

SECTION I

EDUCATIONAL INNOVATIONS, INC. 362 Main Avenue Norwalk, CT 06851-1510 (203) 229-0730	*U.S. Contact:* Educational Innovations, Inc. *Emergency Telephone:* (203) 229-0730 *Date Prepared:* June 17, 1998

SECTION II - Hazardous Ingredients/Identity Information

Chemical Identity/common Name(s)	*OSHA PEL*	*OSHA STEL*	*ACGIH TLV*
Poly (sodium acrylate) homopolymer or sodium salt of polyacrylic acid CAS # 9033-79-8	NE	NE	NE
Other Limits Recommended:	0.05 mg/m³ recommended exposure limit (small, less 10 microns respirable polyacrylate). See section VI **SARA Section 313 Reportable Toxic Chemicals - None**		

SECTION III - Physical Data

Appearance: White, Granular Powder	*Odor:* slight acrylate odor
Boiling Point: Solid N/A	*Melting Point:* decomposes above 500° F
Vapor Pressure: Less than 10 mm Hg	*Vapor Density:* N/A, >1
Evaporation Rate: Less than 1	*Specific Gravity:* N/A, Bulk Density <1
Solubility: Insoluble, swells in water	

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None	*Flammable Limits:* N/E	*LEL:* N/E	*UEL:* N/E
Extinguishing Agents: Water, CO_2, Dry Chemical Extinguishants and Halon			
Special Fire Fighting Procedures: None			
Unusual Fire Hazards: Very slippery when product is in contact with water.			

SECTION V - Reactivity Data

Stability: Stable	*Conditions to Avoid:* None Known
Incompatibility: Avoid contact with strong oxidizing agents.	
Decomposition Products: Carbon, oxides of carbon & sodium, water	
Hazardous Polymerization: Will Not Occur	*Conditions to Avoid:* None Known

SECTION VI - TOXICITY AND FIRST AID

ROUTES OF ENTRY:	***Inhalation?*** Yes	***Skin?*** No	***Ingestion?*** No
HEALTH HAZARDS (Acute & Chronic) : Inhalation may cause mild irritation of upper respiratory tract. Inhalation experiments with animals on similar polyacrylate polymer (using very small particles of less than 10 microns) produced inflammatory tissue response in the lungs.			
CARCINOGENICITY:	***NTP?*** No	***ARC Monographs?*** No	***OSHA Registered?*** No
SIGNS & SYMPTOMS OF EXPOSURE: Dust may cause reddening, drying of affected area with possible burning or other discomfort. Irritation of the upper respiratory tract and/or eyes.			
MEDICAL CONDITIONS AGGRAVATED by EXPOSURE: Existing respiratory and allergic conditions			
FIRST AID TREATMENT: Eyes: Flush with water or approved eye wash and obtain medical assistance if irritation persists. Skin: Clean thoroughly with large amount of water. Inhalation: Move to fresh air source. If discomfort continues, consult a physician.			

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL PROCEDURE: Collect material and avoid flushing with water if possible. Polymer becomes slippery if flushed with water.
DISPOSAL: Waste can be gathered and disposed of in accordance with existing local, state and federal environmental regulations. Nonhazardous material suitable for approved solid waste landfills
PRECAUTIONS FOR SAFE STORAGE & HANDLING: Avoid eye contact. Avoid prolonged or repeated skin contact. Do not inhale. Do not ingest. Store in a cool, dry place. Close bags or container when not in use.
OTHER PRECAUTIONS: Dusty conditions may irritate the eyes and respiratory system. Wear safety goggles and nuisance dust mask where dust is created.

SECTION VII - CONTROL MEASURES

RESPIRATION: Use high efficiency filter mask for dust particle levels above 0.05 mg/m^3.			
VENTILATION: Local exhaust to remove airborne particles.			
PROTECTIVE GLOVES:	Recommended	***EYE PROTECTION:***	Safety glasses or goggles.
OTHER PROTECTION:	None	***HYGIENIC PRACTICES:***	Wash thoroughly after handling