

MATERIAL SAFETY DATA SHEET

Identity (As used on Label and List)

WATER-KEEP MEDIUM

SECTION I

Manufacturer's Name and Address

Novo-Tech Inc.
55 Lake Point Circle
Taylorsville, NC 28681

Emergency Telephone Number

(828) 228-6176

Telephone Number for Information

(828) 228-6176

Date Prepared

10/1/02

NA = Not Applicable

NE = Not Established

NH = Non-Hazardous

SECTION II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))

	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Acrylamide/Potassium Acrylate copolymer, Crosslinked	NE	NE	0.05 mg/m ³ *	
CAS No. 31212-13-2				

* Novo-Tech 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/Chemical Characteristics

Boiling Point	Solid	NE	Specific Gravity (H ₂ 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)	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 Flammable Limit: LEL: NE UEL: NE

Extinguishing Media Water, CO₂ 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 Stable Conditions to Avoid: None known

Incompatibility (Materials to avoid): None known

Hazardous Decomposition or Byproducts: None known

Hazardous Polymerization May Occur Will Not Occur Conditions to Avoid: None known

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 non-specific inflammation and chronic lung injury at 0.2mg/m ³ and 0.8mg/m ³ . At 0.8mg/m ³ , 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 0.05mg/m ³ . 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 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 in Case of Release/Spill	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 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	Handle as 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	Wear respirator or mask with high efficiency filter for particulate levels above 0.05mg/m ³ .		
Ventilation Local Exhaust	Ensure airborne particles are removed.	Special	Not required
Mechanical	Recommended	Other Ventilation	Not required
Protective Gloves	Recommended	Eye Protection	Safety glasses or goggles
Other Protective Clothing or Equipment	None	Work/Hygienic Practices	Wash thoroughly after handling