



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.

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PRODUCT NAME: REL-PAC™**Section I MANUFACTURER'S INFORMATION****MANUFACTURER'S NAME & ADDRESS:****Date Prepared: January 1, 2007**

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Section II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Nuisance Dust				
Respirable Fraction	5mg/m ³	3mg/m ³		
Total Dust	15mg/m ³	10mg/m ³		

PRODUCT IDENTIFICATION

Chemical Name: Polyanionic Cellulose
Chemical Family: Cellulosic Polymer
NFPA/HMIS: Health - 1, Fire - 1, Reactivity - 0, Specific Hazard - See Section VI
DOT Class: Not Regulated

Section III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	- Not Applicable	Specific Gravity (H₂O = 1)	- 1.55
Vapor Pressure (mm Hg.)	- Not Applicable	Melting Point	- Not Available
Vapor Density (AIR = 1)	- Not Applicable	Evaporation Rate (Butyl Acetate = 1)	- Not Applicable
Solubility in Water	- Complete		
Appearance and Odor	- White to yellow powder, no odor.		

Section IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	- 350°F (Open cup)		
Flammable Limits	- Not Determined	LEL- - Not Determined	UEL- - Not Determined
Extinguishing Media	- Water spray, carbon dioxide, dry chemical extinguishers.		
Special Fire Fighting Procedures	- None Known.		
Unusual Fire/Explosion Hazards	- Product dust may form an explosive mixture with the air. Avoid dust producing conditions.		

Section V REACTIVITY DATA

Stability	Stable	-	Conditions to Avoid	- None Known
Incompatibility (Materials to Avoid)	- None Known			
Hazardous Decomposition or By-products	- None Known			
Hazardous Polymerization	Will Not Occur	-	Conditions to Avoid	- Conditions that produce dust.



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Section VI HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? Yes Skin? No Ingestion? No

Health Hazards (Acute and Chronic):

The toxicity and hazards under normal conditions of application appeared to have low effects in animal experiments. Exposure to dust in manufacturing operations over 30 years has not shown adverse effects. Inhalation may result in dry, irritated nasal passages.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Teratogenicity: No Mutagenicity: No

Signs and Symptoms of Exposure: None Known.

Medical Conditions Generally Aggravated by Exposure: Emphysema, other lung diseases, asthma.

Emergency & First Aid Procedures: Not Applicable

Section VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Sweep up and flush area with water. Spilled product on wet floors can be very slippery.

Waste Disposal Method: Send to Sanitary Landfill or incinerate. Dispose of in accordance with federal, state and local regulations.

Precautions to Be Taken in Handling and Storing: During processing the dust of the dry product can be inconvenient.

Other Precautions: Slippery when wet. Although not dangerous, the use of a simple dust mask is recommended.

Section VIII CONTROL MEASURES

Respiratory Protection (Specify Type)	- Dust Respirator (NIOSH/MSHA #TC-21C-132) may be desirable when dumping bags.
Ventilation	- Local Exhaust - As appropriate Special - None
	- Mechanical (General) - As appropriate Other - None
Protective Gloves	- Not Required
Eye Protection	- Not Required
Other Protective Clothing or Equipment	- None Known.
Work/Hygienic Practices	- Use good housekeeping practices.

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