

MATERIAL SAFETY DATA SHEET

IDENTIFICATION OF PRODUCT & COMPANY

Chemical Family: Anionic Polymer blend
Material Uses: Applied to riding arenas to control dust.
Product Owner: Strathcona Ventures, Sherwood Park, Canada
Contact: 888.913.3150
Emergency: 888.913.3150
Product Type: Granular solid

COMPOSITION/INFORMATION ON INGREDIENTS

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

HAZARD IDENTIFICATION

Potential Acute Health Effects

Inhalation: Inhalation of vapors, mists or dusts of the product may be irritating to the respiratory system. May irritate mouth, nose, and throat.

Ingestion: May cause irritation of the lining of the stomach.

Skin: Mild to Moderate irritation can occur. Prolonged or repeated contact may cause defatting and drying of the skin. Prolonged or repeated contact may cause discomfort and local redness.

Eyes: May cause eye irritation. May result in mild to moderate irritation to eyes.

FIRST AID MEASURES

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

Skin Contact: In case of contact, rinse with soap and water. Remove contaminated clothing and launder before reuse.

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Notes to Physician: Treatment based on sound judgement of physician and individual reaction of patient.

FIRE-FIGHTING MEASURES

Flash Point: None

Flash Point Method: Not applicable

Autoignition Temperature: Not available

Flammable Limits in Air (%): Not available

Extinguishing Media

Suitable: Use an extinguishing media suitable for the surrounding fire.

Not Suitable: None known

Hazardous Thermal Decomposition Products: Carbon and Nitrogen Oxides

Special Protective Equipment for Fire-Fighters: Fire fighters should wear full protective clothing, including self-contained breathing equipment.

NFPA Ratings	Health 1	Flammability 0	Instability 1
HMIS Ratings	Health 1	Flammability 0	Reactivity 1

ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective equipment. Wet product and aqueous solutions of product are very slippery. Trace amounts of product on smooth surfaces can become extremely slippery when wet.

Environmental precautions: Prevent entry of concentrated solutions into sewers or streams, dike if needed.

Procedure for Clean-up: Sweep or scoop dry material and place in appropriate container. Absorb aqueous solutions with a dry inert material, such as clay, and place in an appropriate waste disposal container. After most of the material has been cleaned-up clean the area with warm, soapy water.

HANDLING AND STORAGE

Handling: For industrial use only. Handle and open containers with care.

Avoid contact with eyes, skin and clothing. Do not ingest. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personnel protective equipment.

Storage: Store in a cool, dry area. Store in accordance with good industrial practices. Keep away from direct sunlight. Protect against physical damage.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection

Respiratory: A respirator should not be required when working with WHOA Dust.

Hands: Use gloves appropriate for work or task being performed | Recommended - PVC, vinyl, or rubber.

Skin: Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.

Other Personal Protection Data: Ensure that eyewash stations and safety showers are proximal to the work-station location. **Engineering Controls:** Local exhaust ventilation as necessary to maintain exposure to within applicable limits.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Color: White or off-white

Odor: Slightly Acidic

pH: ~7

Specific Gravity: ~1.1

Boiling/Condensing Point: Not available

Melting / Freezing Point: Not available

Vapor Pressure: Not available

Vapor Density: Not available

% Volatile by Volume: Not available

Evaporation Rate: Not available

Solubility: Completely soluble but dissolves very slowly

VOCs: Not available

Viscosity: Concentration dependent

Molecular Weight: Not available Other: None

STABILITY AND REACTIVITY

Chemical Stability: The product is stable

Hazardous Polymerization: will not occur

Conditions to avoid: High temperatures

Materials to avoid: High temperatures

Materials to avoid: Strong bases such as sodium hydroxide may cause the release of ammonia

Hazardous Decomposition Products: At high temperatures carbon oxides and nitrogen oxides may be released upon decomposition

Additional Information: No additional information

TOXICOLOGICAL INFORMATION

Principal Routes of Exposure

Ingestion: May cause irritation of the lining of the stomach.

Skin contact: Mild to moderate irritation can occur. Prolonged or repeated contact may cause defatting and drying of the skin. Prolonged or repeated contact may cause discomfort and local redness.

Inhalation: Inhalation of vapors, mists or dusts of the product may be irritating to the respiratory system. May irritate mouth, nose, and throat.

Contact: May cause eye irritation. May result in mild to moderate irritation to eyes.

Additional Information: Prolonged and repeated contact with the skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.

TOXICOLOGICAL INFORMATION (Continued)

Acute Toxicity

Acute Oral LD50: Oral LD50 (Rat) > 5000 mg/kg

Acute Dermal LD50: Not available

Acute Inhalation LC50: Not available

Carcinogenicity

2-Propenamide is a suspected human carcinogen, but is present at <0.05% (drinking water additive standard).

Carcinogenicity Comment: No additional information available

Reproductive Toxicity / Teratogenicity / Embryotoxicity / Mutagenicity: Not available.

ECOLOGICAL INFORMATION

Aquatic Ecotoxicity

Species	Test	Result
<i>Oncorhynchus mykiss</i> (Rainbow Trout)	LC50 96 hr	>155mg/L
<i>Daphnia magna</i>	LC50 48 hr	>2000 mg/L

Other Information: Bioaccumulation: The product is not expected to bioaccumulate

Persistence / Degradability: Not readily biodegradable. Full environmental degradation is expected. Degradation initiation and rate are dependent on UV exposure.

DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.