

AgraSyst Inc MATERIAL SAFETY DATA SHEET

Date of Issue: 10/10/10

Section 1. Chemical Product and Company Identification

MSDS Number: AS008

Trade Name: PreLoad

Chemical Family: Water Conditioner

Chemical Name(s): ethoxylated poly amine, hydrogen and ammoniated sulfate

Manufacturer: AgraSyst Inc: 16417 North Napa Ln. Spokane, WA 99228

Tel. (509) 467 2167

Section 2. Composition, Information and Ingredients

<u>Components</u>	<u>% by weight</u>
Proprietary Blend of poly amine	12
Hard Water Scavenger	29
Inert	41

Section 3. Hazards Identification

Appearance and Odor: Amber liquid, mild odor

Causes severe eye irritation

Can cause mild skin Irritation

Harmful if swallowed

Slightly toxic if inhaled

Section 4. First Aid Measures

First Aid – Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical Attention.

First Aid - Skin Immediately flush with plenty of water while removing contaminated clothing. As soon as soap is available, wash thoroughly with soap and water. Wash clothing before reuse.

First Aid - Ingestion Wash out mouth thoroughly with water. Get medical attention.

Contact a Poison Control Center. Do not induce vomiting.

First Aid – Inhaled: None Normally needed. Remove to fresh air if breathing is difficult. Give oxygen and call a physician.

Section 5. Fire Fighting Measures

Flash Point: Greater than 200 degrees F.

Extinguishing Media – Flood with water, Dry chemical, CO2 or alcohol foam.

Unusual fire and explosion hazards: None.

Section 6. Accidental Release Measures

Observe all protection and safety precautions when cleaning up spills

Liquid spills on floor or other impervious surfaces should be contained or diked and should be absorbed with attapulgate, bentonite or other absorbent clays. Collect contaminated absorbent, place in a plastic-lined metal drum and dispose of in accordance with instruction provided under **Disposal**. Thoroughly scrub floor with strong industrial type detergent solution and rinse with water.

Liquid spills that soak in the ground should be dug-up, place in plastic-lined metal and disposed of in accordance with instruction provided under **Disposal**.

Leaking containers should be separated and its contents transferred to a plastic-lined drum or other non-leaking container. Disposal of leaking should be done in accordance with instruction provided under Disposal.

Do not contaminate water, or food by storage or disposal.

Section 7. Handling and Storage

Do not get in eye, on skin, or on clothing.

Wear goggles or face shield and rubber gloves in transferring and mixing.

Wash thoroughly with soap and water after handlings

Storage: Store in original container. In case of leak or spill, use absorbent material to contain liquids and disposed of wastes. Store this product above 32 degrees F to keep for thickening. If frozen, warm in an area that is less than 100 degrees F prior to use.

Section 8. Exposure Controls, Personal Protection

Eye Protection: Where there is potential for eye contact, wear chemical goggles and have flushing equipment immediately available.

Skin Protection: Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Wear face shield and chemical resistant clothing when splashing is likely. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash thoroughly after handling

Respiratory Protection: This product is not likely to present an airborne exposure concern under normal use. Use NIOSH/MSHA approved respiratory protection equipment if needed for exposure during unusual handling. Respiratory protection programs must comply with 29 CFR 1910.134.

Ventilation: No special precautions recommended.

Airborne Exposure Limits: Not Established

Section 9. Physical and Chemical Properties

Chemical Identity: Water Conditioning Spray Adjuvant

Appearance: Liquid, clear, pale brown

Odor: Mild

Melting Point: -3C

Boiling Point: 96C

Specific Gravity: 1.7 g/ml

Density: 9 lb/gal

% Solubility in water: 100

% Solubility In Solvents: water 100%

Vapor Pressure: Less than 3mm hg (3 torr)

Viscosity: 30 cps @ 72 F 45 cps @ 32 F

Neat pH: 2

Does not hydrolyze in water.

Section 10. Stability and Reactivity

Stability: Product is stable under normal conditions of use, storage and handling.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: CO₂, CO, Nitrogen

Hazardous Polymerization: None

Section 11. Toxicological Information

ACUTE INHALATION TOXICITY: Defined LC50 is between 0.53 and 2.01 mg/L in male and female rats.

EPA CATEGORY III CAUTION

ACUTE ORAL TOXICITY: Acute Oral LD50 is estimated to be 3129 mg/kg in female rats. EPA

CATEGORY III CAUTION

PRIMARY EYE IRRITATION: classified as severely irritating to the eye. EPA CATEGORY II WARNING

PRIMARY SKIN IRRITATION: classified slightly irritating. EPA CATEGORY IV CAUTION

ACUTE DERMAL TOXICITY: Acute Oral LD50 is estimated to be 3129 mg/kg in female rats.

Section 12. Disposal Consideration

This material when discard is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery act. (RCRA, 40 CFR 261. Dispose of by landfill, incineration or recycle in accordance with local, state and federal regulations.

Revised 10/10/10