

AgraSyst LLC MATERIAL SAFETY DATA SHEET Date of Issue: 3/15/04

Section 1. Chemical Product and Company Identification

MSDS Number: AS001

Trade Name: Load Out

Chemical Family: Poly Amine

Chemical Name(s): Ethoxylated poly amine, Hydrogen Sulfate

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

Tel. (509) 467 2167

Section 2. Composition, Information and Ingredients

<u>Component</u>	<u>% by weight</u>
Proprietary Blend of poly amine	30
Hard Water Scavenger	4
Inert	66

Section 3. Hazards Identification

Appearance and Odor: Liquid, mild odor

Causes eye burns

Causes 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.

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

Appearance: Liquid, clear, pale brown

Odor: Mild

Specific Gravity: 1.05 g/ml

Density: 8.8 lb/gal

% Solubility in water: 100

Viscosity: 20 cps @ 72 F 25 cps @ 32 F

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

Poly Amine is considered to be mildly toxic by ingestion and dermal contact. Poly amine will cause severe eye irritation to rabbit eyes.

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 3/15/05.