

FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:
CHEMTREC 1-800-424-9300

Section 1—Chemical Product and Company Identification

Product Name:	AgriSolutions™ Rush®
Common Name:	Water conditioning agent
Chemical Description:	Proprietary blend ammonium sulfate, proprietary buffer, polyacrylamide solution, and antifoaming agents
Manufacturer's Name: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	Medical Emergency Telephone Number: 1-877-424-7452 MSDS Creation Date: 04/07/11

Section 2—Hazards Identification

<p>Emergency Overview: Product may cause oxygen deficiency in confined spaces; follow all OSHA regulations pertaining to confined space entry. See health effects below.</p> <p>CAUTION: Keep out of reach of children.</p> <p>Route(s) of Entry: Eyes, Inhalation, Skin, and Ingestion.</p>
<p>Health Hazards (Acute and Chronic):</p> <p>Inhalation: Not likely to cause adverse health effects.</p> <p>Eyes: May cause eye irritation after prolonged eye contact.</p> <p>Skin: Contact may cause irritation. Prolonged or repeated exposure may lead to reddening of skin, rash, dermatitis, or other skin reactions.</p> <p>Ingestion: Not likely to present hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.</p>
<p>Medical Conditions Generally Aggravated by Exposure:</p> <p>None known.</p>

Section 3—Composition Information on Ingredients

Ingredient	% (wt)	CAS reg. #
Proprietary blend of ammonium salt, acid buffers, polyacrylamides, defoamer, and formulation aids	100.00%	

*Ingredients not specifically listed are non-hazardous and considered to be confidential business information.

NFPA HAZARD RATING:			
0	Least		
1	Slight	1	Health
2	Moderate	0	Flammability
3	High	0	Reactivity
4	Severe		

Section 4—First Aid Measures

Inhalation:	Remove person to fresh air and assist breathing as needed. Seek medical attention if irritation persists.
Ingestion:	Seek medical attention or call a poison control center immediately.
Eyes:	Flush with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. Seek medical attention if eye irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water, and then wash with soap and water. Seek medical attention if skin becomes irritated.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5—Fire and Explosion Hazard Data

Extinguishing Media: Materials suitable to surrounding fire.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full bunker gear. Smoke and fumes from fire may contain hazardous components.

Hazardous Combustion Products: Toxic gases such as oxides of sulfur and nitrogen as well as other chemicals may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.

Unusual Fire and Explosion Hazards: Closed containers may explode from vapor expansion in high heat. Contain run-off by diking to prevent contamination of water supplies.

Section 6—Accidental Release Measures

Small Spills: Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mists. Spills should be cleaned up immediately to prevent spreading.

Large Spills: Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mist.

Containment: Do not release into sewers or waterways. Dike spills to prevent contamination to water supplies. Contain spills and absorb liquids by covering with clay or other absorbent material. Vacuum, scoop, or sweep up waste and place in a container for disposal.

Section 7—Precautions for Safe Handling and Use

Precautions to Be Taken in Handling and Storage: Store in cool, dry areas away from children, feed and food products and sources of heat. Immediately clean up spills that occur during handling or storage. Protect from freezing. Keep containers closed when not in use. Do not store in aluminum or metal vessels.

Other Precautions: Consult Local, State, and Federal regulations pertaining to storage and disposal.

Section 8—Control Measures/Personal Protection

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a properly FIT TESTED MSHA/NIOSH-approved respirator.

Ventilation: **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred.

Protective Gloves: Wear chemically protective gloves.

Eye Protection: Wear protective eyeglasses or chemical safety goggles. Contact lenses are not eye protective devices.

Other Protective Clothing or Equipment: Wear chemically protective boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.

Work/Hygienic Practices: Never eat, drink, nor smoke in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9—Physical/Chemical Characteristics

Physical State:	Liquid	Specific Gravity (H₂O=1):	1.106
Vapor Pressure (mm Hg):	Not determined	Freezing Point:	Not determined
Vapor Density (Air=1):	Not determined	Boiling Point:	Not determined
Solubility in Water (wt %):	Soluble	pH (neat):	4.5 – 5.5
Appearance and odor:	Clear, slightly red liquid	Flash Point:	>200°F

Section 10—Reactivity Data

Stability: Product stable at room temperature in closed containers under normal storage and handling conditions.

Chemical Incompatibilities: Strong oxidizing agents.

Conditions to Avoid: Avoid excessive heat.

Hazardous Decomposition Products: Oxides of sulfur, nitrogen, and other chemicals may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.

Hazardous Polymerization: Cannot occur.

Section 11—Toxicological Information

Eye Effects: May cause irritation
Skin Effects: May cause irritation
Acute Inhalation Effects: Not determined
Acute Oral Effects: Not determined
Chronic Effects: Not determined
Mutagenicity: Not determined
Teratogenicity: Not determined

Carcinogenicity: NTP: Not available IARC: Not available OSHA: Not Available

Section 12—Ecological Information

Soil Absorption/Mobility: Mobile in soil profile.

Section 13—Disposal Considerations

Waste: Dispose of in accordance with applicable Federal, state and local laws and regulations.
Container: Triple rinse (or equivalent) the empty containers. Then offer for recycling or reconditioning.
RCRA characteristics: None known

Section 14—Transport Information

Not regulated by the U.S. DOT as a hazardous material.

Section 15—Regulatory Information

SARA Title III, Section 302: Not determined

SARA Title III, Section 311/312:	Immediate: Yes	Delayed: No
Sudden Release of Pressure: No	Fire: No	Reactive: No

SARA Title III, Section 313: Not determined

CERCLA: Not determined

PROPOSITION 65: WARNING: This product may contain chemicals known to the State of California to cause cancer and birth defects or reproductive harm.

Section 16—Other

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