

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

<b>Section 1—Chemical Product and Company Identification</b>	
Product Name:	Breeze™
Common Name:	Agricultural adjuvant
Chemical Description:	Water conditioner, surfactant
Manufacturer's Name: <b>WINFIELD SOLUTIONS, LLC</b> P. O. Box 64589 St. Paul, MN 55164-0589	Medical Emergency Telephone Number: <b>1-877-424-7452</b>  MSDS revision 3 authored 04/30/2010 Supersedes documents dated 1/11/2010 and 9/19/2007

<b>Section 2—Hazards Identification</b>
<b>Emergency Overview:</b> Combustible liquid, irritant. Amber, slightly pungent liquid.
<b>CAUTION: Keep out of reach of children.</b>
<b>Route(s) of Entry:</b> Inhalation, eyes, skin, and ingestion.
<b>Health Hazards (Acute and Chronic):</b> <b>Inhalation:</b> May be harmful if inhaled. Vapors and mist causes respiratory tract irritation. <b>Eyes:</b> Causes eye irritation, experienced as discomfort or pain, and seen as excess redness and swelling of the eye, and possible injury to the cornea. <b>Skin:</b> Prolonged contact, as with clothing wetting with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort. <b>Ingestion:</b> May cause abdominal discomfort, nausea and diarrhea. Aspiration may occur during swallowing or vomiting, resulting in lung damage.
<b>Medical Conditions Generally Aggravated by Exposure:</b> Because of its defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).

<b>Section 3—Composition Information on Ingredients</b>		
<b>Ingredient</b>	<b>% (wt)</b>	<b>CAS reg. #</b>
Ammonium Sulfate	15.0%	7783-20-2
High Fructose Corn Syrup	25.0%	8029-43-4
Ethyl Lactate	5.0%	97-64-3
Formulation Aids	20.5%	N/A (Mixture)

<b>HMIS HAZARD RATING:</b>			
0	Least		
1	Slight	2	Health
2	Moderate	2	Flammability
3	High	0	Reactivity
4	Severe		

<b>Section 4—First Aid Measures</b>	
<b>Inhalation:</b>	Remove person to fresh air. If not breathing or in respiratory distress, clear person's airway and start artificial respiration. With a physician's advice, give supplemental oxygen using a bag-valve mask or manually triggered oxygen supply.
<b>Ingestion:</b>	Do not induce vomiting. Seek medical attention or call a poison control center immediately.
<b>Eyes:</b>	Flush with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. Seek medical attention if eye irritation persists. Consult a physician.
<b>Skin:</b>	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. Consult a physician.

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

### **Section 5—Fire and Explosion Hazard Data**

**Extinguishing Media:** For small fires, use media such as “alcohol” foam, dry chemical, or carbon dioxide. For large fires, apply very large quantities of water as a mist or spray from as far as possible. Solid streams of water may be ineffective. Water or foam may cause frothing. Cool all affected containers with large quantities of water.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and full bunker gear. Approach fire from upwind.

**Hazardous Combustion Products:** Toxic gases may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.

**Unusual Fire and Explosion Hazards:** None known

### **Section 6—Accidental Release Measures**

**Small Spills:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form combustible concentrations.

**Large Spills:** See measures for small spills. Contain spill if possible. Do not let product enter sewers and waterways. Vapors can accumulate in low areas.

**Containment:** Do not release into sewers or waterways. Contain spillage, and then collect with non-combustible absorbent material and place in suitable disposal container according to local, state and federal regulations.

### **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 and ignition. Avoid inhalation of vapor or mist. 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. Take measures to prevent the buildup of electrostatic charge.

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

### **Section 8—Control Measures/Personal Protection**

**Respiratory Protection:** NIOSH approved pesticide respirator with organic vapor/acid/gas cartridge and pesticide prefilter in lieu of or as backup to engineering controls.

**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 or 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**

<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.2197
<b>Vapor Pressure (mm Hg):</b>	Not established	<b>Freezing Point:</b>	Not established
<b>Vapor Density (Air=1):</b>	Not established	<b>Boiling Point:</b>	Not established
<b>Solubility in Water (wt %):</b>	Miscible	<b>pH (1% solution in distilled water):</b>	2.92
<b>Appearance and odor:</b>	Amber color with slightly pungent odor	<b>Flash Point:</b>	130F (54C) / Closed Cup

### **Section 10—Reactivity Data**

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

**Chemical Incompatibilities:** Strong oxidizing agents, acids and bases.

**Conditions to Avoid:** Avoid high temperatures. Avoid heat, flame, and sparks.

**Hazardous Decomposition Products:** Ammonia, sulfur oxides, CO

**Hazardous Polymerization:** Will not occur.

### **Section 11—Toxicological Information**

**Eye Effects:** May cause irritation  
**Skin Effects:** May cause irritation. May be harmful if absorbed through skin.  
**Acute Inhalation Effects:** LC50 > 2.22 mg/L in rats  
**Acute Oral Effects:** LD50 > 5000 mg/kg in rats  
**Chronic Effects:** Not determined  
**Mutagenicity:** Not determined  
**Teratogenicity:** Not determined

**Carcinogenicity** NTP: Not listed IARC: Not listed OSHA: Not listed

### **Section 12—Ecological Information**

**Soil Absorption/Mobility:** Mobile in soil profile.  
**Toxicity to aquatic invertebrates:** LC50 = 16.50 g/L for *Daphnia magna* (water flea) in 48 hours.  
**Toxicity to fish:** LC50 = 245 mg/L for *Onchomynchus mykiss* (rainbow trout) in 96 hours.

### **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. Follow applicable Federal, state and local regulations.  
**RCRA characteristics:** If discarded in its present form, this product has a RCRA waste classification of D001.

### **Section 14—Transport Information**

**Less than 119 Gallons** – Not regulated by DOT

**119 Gallons or Greater:**

Proper shipping name - Ethyl lactate solution  
Hazard Class – 3, Combustible liquid  
UN/NA Number – UN1192  
Packing Group – III

**IATA/IMO (All Sizes):**

Proper shipping name - Ethyl lactate solution  
Hazard Class – 3, Flammable liquid  
UN/NA Number – UN1192  
Packing Group – III

### **Section 15—Regulatory Information**

**OSHA hazards:** Combustible liquid, irritant.

**TSCA inventory:** This product's components are listed on, or are exempt from the TSCA inventory.

**SARA, Title III, Section 302:** No components are subject to reporting.

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

**SARA Title III, Section 313:** Contains ammonium sulfate (CAS 7783-20-2)

**CERCLA:** None listed.

**DSL Status (Canada):** This product contains ethyl lactate (CAS 97-64-3 or 687-47-8)

**States Right-to-know Regulations - Chemical, states:** 1-Decanol, PA. 1-Octanol, PA. Benzenesulfonic acid dodecyl-compound with 2',2',2'-nitrioltris(ethanol), MA, NJ, PA. Fructose, PA, NJ. Ethyl lactate, PA, NJ. Ammonium sulfate, MA, PA, NJ.

**California Prop. 65 Components:** This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### **Section 16—Other**

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