



# Material Safety Data Sheet

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

Section 1—Chemical Product and Company Identification	
Product Name:	AgriSolutions™ Preference®
Common Name:	Agricultural adjuvant
Chemical Description:	Non-ionic surfactant and anti-foaming agent
Manufacturer's Name: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	Medical Emergency Telephone Number: 1-877-424-7452 MSDS Revision Date: 10/13/2010 Supersedes document dated 09/19/2007

Section 2—Hazards Identification
<b>Emergency Overview:</b> Causes severe eye irritation. Product may cause oxygen deficiency in enclosed spaces; follow all OSHA regulations pertaining to confined space entry. See health effects below. <b>CAUTION:</b> Keep out of reach of children. <b>Route(s) of Entry:</b> Eyes, Inhalation, Skin, and Ingestion.
<b>Health Hazards (Acute and Chronic):</b> <b>Inhalation:</b> Inhalation of mist may cause irritation of the upper respiratory tract. <b>Eyes:</b> Causes severe eye irritation. <b>Skin:</b> Short-term contact with skin is not expected to cause irritation. Long-term contact may cause slight skin irritation. <b>Ingestion:</b> Harmful if swallowed.
<b>Medical Conditions Generally Aggravated by Exposure:</b> None known. Preexisting respiratory conditions may be aggravated by exposure to mists.

Section 3—Composition Information on Ingredients		
Ingredient	% (wt)	CAS reg. #
Ethoxylated nonylphenol, branched	55 – 65%	68412-54-4
Fatty Acids of Vegetable oil	15 – 25%	N/A
Isopropyl alcohol	10%	67-63-0
Silicone Blend	<1.0%	N/A

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

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

Section 4—First Aid Measures	
<b>Inhalation:</b>	Remove person to fresh air and assist breathing as needed. Seek medical attention if irritation persists.
<b>Ingestion:</b>	Seek medical attention or call a poison control center immediately. Do not induce vomiting unless told to do so by a doctor or Poison Control Center.
<b>Eyes:</b>	Flush with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. Seek medical attention immediately.
<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.

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

### Section 5—Fire and Explosion Hazard Data

**Extinguishing Media:** Alcohol-resistant foam, universal foam or water fog; Do not use a water jet.

**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 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. Product may burn under fire conditions. Containers adjacent to fire may be cooled by a stream of water. 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 eye contact. Avoid generating mists. Spills should be cleaned up immediately to prevent spreading.

**Large Spills:** Clean-up personnel should protect against mist inhalation and eye 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 and long sleeved shirt and long pants 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>	1.002
<b>Vapor Pressure (mm Hg):</b>	Not determined	<b>Freezing Point:</b>	Not determined
<b>Vapor Density (Air=1):</b>	Not determined	<b>Boiling Point:</b>	Not determined
<b>Solubility in Water (wt %):</b>	Disperses in water	<b>pH:</b>	5.7
<b>Appearance and odor:</b>	Dark brown liquid with organic odor	<b>Flash Point:</b>	103°F

### Section 10—Reactivity Data

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

**Chemical Incompatibilities:** Strong bases and acids.

**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:** Will not occur.

### Section 11—Toxicological Information

**Eye Effects:** Causes severe irritation  
**Skin Effects:** Non-irritating; LD50 > 5,050 mg/kg (albino rats)  
**Acute Inhalation Effects:** LC50 > 2.18 mg/L (albino rats)  
**Acute Oral Effects:** LD50 > 5,000 mg/kg (albino 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.

**Ecotoxicology:**

*Daphnia magna* – NOEC = 8.0 mg/L; LOEC = 40 mg/L

*Pimephales promelas* (Fathead Minnow) – NOEC = 1.6 mg/L; LOEC = 8.0 mg/L

*Oncorhynchus mykiss* (Rainbow Trout) – NOEC = 1.6 mg/L; LOEC = 8.0 mg/L

\*NOEC stands for no observed effect concentration

\*LOEC stands for lowest observed effect concentration

### 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:** D001 – due to flash point

### Section 14—Transport Information

Not regulated in packages of 119 gallons or less.

For packages of greater than 119 gallons:

NA1993, Combustible liquid, n.o.s. (Isopropanol), PG III

### Section 15—Regulatory Information

**TSCA Inventory:** All ingredients are currently listed on the TSCA inventory.

**SARA Title III, Section 302:** None listed

<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>No</b>	Reactive: <b>No</b>

**SARA Title III, Section 313:** Isopropyl alcohol (CAS # 67-63-0) 10.0%

**CERCLA:** None listed

**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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