



## 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™ Activate Plus™
Common Name:	Alkylaryl polyoxyethylene glycols, free fatty acids
Chemical Description:	Agricultural adjuvant (non-ionic surfactant)
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: 04/22/2010 Supercedes document dated 09/19/2007

### Section 2—Hazards Identification

**Emergency Overview:** Clear amber liquid with an alcohol odor that may be irritating to eyes and skin. Vapors or mist may be irritating and cause discomfort in nose and throat. May be toxic if swallowed.

**CAUTION:** Keep out of reach of children.

**Route(s) of Entry:** Eyes, Inhalation, Skin, and Ingestion.

**Health Hazards (Acute and Chronic):**

**Inhalation:** Vapors or mist may be irritating and cause discomfort in nose and throat, nasal discharge, and coughing. Prolonged overexposure may cause difficulty in breathing.

**Eyes:** May cause eye irritation, experienced as mild discomfort and slight excess redness.

**Skin:** Brief contact may cause slight irritation. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling.

**Ingestion:** May be toxic if swallowed.

**Medical Conditions Generally Aggravated by Exposure:**

Skin contact may aggravate preexisting skin conditions. Inhalation of mists may aggravate preexisting respiratory conditions.

### Section 3—Composition Information on Ingredients

Ingredient	% (wt)	CAS reg. #
Proprietary Blend of Adjuvants and Formulation Aids	90.0%	-
Coupling agents and inerts	10.0%	-
Residual Ethylene Oxide	0.0001%	75-21-8

### NFPA HAZARD RATING:

0	Least		
1	Slight	2	Health
2	Moderate	1	Flammability
3	High	0	Reactivity
4	Severe		

### Section 4—First Aid Measures

Inhalation:	Remove person to fresh air and assist breathing as needed. If person is not breathing, call 911 or an ambulance then give artificial respiration if possible. Call a poison control center or doctor for further treatment advice.
Ingestion:	Seek medical attention or call a poison control center immediately. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
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:** Use water spray, dry chemical, alcohol foam or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and full bunker gear. Fight fire from a safe distance and protected location. Water may be ineffective in fire fighting. Use water spray/fog for cooling containers and firefighters. Minimize runoff if possible. Notify proper authorities if liquid material enters the sewer or public waters.

**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:** Heat may build pressure and rupture closed containers, spreading fire and increasing risk of injury.

### Section 6—Accidental Release Measures

**Small Spills:** Clean-up personnel should protect against mist inhalation and skin contact by wearing appropriate personal protective equipment. Avoid generating mists. Ventilate area if in an enclosed space. Spills should be cleaned up immediately to prevent spreading.

**Large Spills:** Clean-up personnel should protect against mist inhalation and skin contact by wearing appropriate personal protective equipment. Avoid generating mists. Ventilate area if in an enclosed space. Spills should be cleaned up immediately to prevent spreading.

**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. Use only in a well-ventilated area. Do not reuse this container. Avoid contamination of product by water.

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

### Section 8—Control Measures/Personal Protection

**Respiratory Protection:** For most conditions, no respiratory protection should be needed. However, use a properly FI TESTED MSHA/NIOSH-approved organic vapor respirator as necessary.

**Ventilation:** **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred. For concentrations above 1,000ppm, use air-supplied or self contained breathing apparatus.

**Protective Gloves:** Wear rubber impervious gloves.

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

**Other Protective Clothing or Equipment:** Wear coveralls, long-sleeve shirt, and rubber boots. Emergency eye wash fountains and safety showers should be available.

**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>	1.01 – 1.04
<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>	Complete	<b>pH:</b>	4 - 7
<b>Appearance and odor:</b>	Clear amber liquid with alcohol odor	<b>Flash Point:</b>	>200°F (PMCC)

#### Section 10—Reactivity Data

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

**Chemical Incompatibilities:** Strong oxidizers.

**Conditions to Avoid:** Extreme temperatures

**Hazardous Decomposition Products:** Incomplete combustion may yield carbon monoxide and other hazardous gas.

**Hazardous Polymerization:** Will not occur.

#### Section 11—Toxicological Information

**Eye Effects:** Irritation

**Skin Effects:** Acute Dermal: LD50 (rabbit) >= 2000 mg/kg, practically non-toxic

**Acute Inhalation Effects:** Not determined

**Acute Oral Effects:** LD50 (rat) >= 1300 mg/kg

**Chronic Effects:** Not determined

**Mutagenicity:** Not determined

**Teratogenicity:** Not determined

<b>Carcinogenicity:</b>	NTP: Not available	IARC: Not available	OSHA: Not Available
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#### 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.

#### Section 14—Transport Information

Not regulated by the DOT as a hazardous material.

**Freight Description:** Agricultural Spray Adjuvant, Liquid, N.O.S.

**E.R.G.:** 171

#### Section 15—Regulatory Information

**TSCA Inventory:** Not determined

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

<b>SARA Title III, Section 311/312:</b>	Immediate:	Yes	Delayed:	No
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Sudden Release of Pressure:	No	Fire:	No	Reactive:	No
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**SARA Title III, Section 313:** None

**CERCLA:** None

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

**RCRA characteristics:** None

#### Section 16—Other

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