

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

Section 1—Chemical Product and Company Identification	
Product Name:	AirCover™
Common Name:	Agricultural Adjuvant
Chemical Description:	Nonionic Organosilicone 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 Creation Date: 11/19/2012

Section 2—Hazards Identification
Emergency Overview: Colorless liquid with slight characteristic odor that may be irritating to eyes and skin. Vapors or mist may be irritating and cause discomfort in nose and throat. Ingestion may irritate the digestive tract. Product may cause oxygen deficiency in confined spaces; follow all OSHA regulations pertaining to confined space entry. See health effects below. 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. Eyes: May cause eye irritation, redness, tearing, and blurred vision. 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: Ingestion may irritate the digestive tract; if large amounts are ingested, seek immediate medical attention.
Medical Conditions Generally Aggravated by Exposure: Preexisting respiratory conditions may be aggravated by exposure to dusts.

Section 3—Composition Information on Ingredients		
Ingredient	% (wt)	CAS reg. #
Alkylphenol ethoxylated, Poly-ether-modified Polysiloxane	86.0-90.0%	Mixture

*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:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. 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:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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

Section 5—Fire and Explosion Hazard Data

Extinguishing Media: Use carbon dioxide (CO₂) or dry chemical for small fires; use water fog or foam (alcohol, polymer or ordinary) for large fires. Water streams may spread flames.

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. 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: Avoid contact with eyes. Keep container closed when not in use. Use in well-ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated contact with skin. Do not reuse this container. Store in tightly closed and properly vented containers with bung in up position. Store between 40°F and 120°F. Keep away from heat and flame. Store in a cool, dry area away from children, feed and food products and sources of heat. Carefully vent before opening large containers. Continue all label precautions. Immediately clean up spills that occur during handling or storage.

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

Section 8—Control Measures/Personal Protection

Exposure Limits: A maximum of 1 ppm of ethylene oxide (EO) (CAS #75-21-8) may be present in this product. The OSHA PEL and the ACGIH TLV for EO are 1 ppm. Ethylene oxide is an NTP, IARC, and OSHA carcinogen. EO has also been determined to be a reproductive hazard. The trace levels of EO in this product are not expected to result in acute or long-term hazards when handled according to the precautions set forth in this MSDS. However, EO may accumulate in the container headspace and be released into the ambient environment. It is the responsibility of the employer to comply with OSHA ethylene oxide standards (29 CFR 1910.1047).

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):	1.05 (+/- 0.05 @20°C)
Vapor Pressure (mm Hg):	No data available	Freezing Point:	No data available
Vapor Density (Air=1):	No data available	Boiling Point:	No data available
Solubility in Water (wt %):	Soluble in water	pH (5% solution):	6.47
Appearance and odor:	Colorless liquid with slight polyether odor	Flash Point:	>200°F

Section 10—Reactivity Data

Stability: Stable at ambient temperatures and atmospheric pressure.

Chemical Incompatibilities: None known.

Conditions to Avoid: None known.

Hazardous Decomposition Products: Silicon dioxide, Carbon dioxide and traces of incompletely burned carbon products.

Hazardous Polymerization: Cannot occur.

Section 11—Toxicological Information

Eye Effects: No data available

Skin Effects: No data available

Acute Inhalation Effects: No data available

Acute Oral Effects: No data available

Chronic Effects: No data available

Mutagenicity: No data available

Teratogenicity: No data available

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

Section 12—Ecological Information

Daphnia magna 24 hr EC50 = 27.06 mg/L NOEC = 10 mg/L

48 hr EC50 = 12.60 mg/L NOEC = 2.5 mg/L

Fathead minnow (*Pimephales promelas*) 96 hr LC50 = 8.67 mg/L NOEC = 6 mg/L

Rainbow trout (*Oncorhynchus mykiss*) 96 hr LC50 = 9 mg/L NOEC = 6 mg/L

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 DOT as a hazardous material.

Section 15—Regulatory Information

TSCA Inventory: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.

SARA Title III, Section 302: Not listed

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 listed

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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