



## 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:	Class Act® NG®
Common Name:	Agricultural adjuvant
Chemical Description:	Blended surfactant and water conditioner
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: 1/26/2010. Supersedes revision 1 dated 9/19/2007.	

### Section 2—Hazards Identification

<b>Emergency overview:</b> Product may cause oxygen deficiency in enclosed spaces; follow all OSHA regulations pertaining to enclosed 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> Ammonium sulfate can irritate the membrane of the respiratory tract if inhaled. <b>Eyes:</b> Moderately irritating to the eyes. Prolonged or repeated overexposure may cause eye irritation. <b>Skin:</b> Moderately irritating to the skin. Prolonged or repeated overexposure may cause skin irritation. <b>Ingestion:</b> If swallowed, gastric upset, ulceration or hemorrhage of the G.I. tract and diarrhea can occur. Systemic ammonia poisoning is possible if sufficient absorption occurs.
<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).

### Section 3—Composition Information on Ingredients

Ingredient	% (wt)	CAS reg. #
Ammonium sulfate	32-36%	7783-20-2
Nonionic surfactant system	20%	N/A

### HMIS HAZARD RATING:

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

### Section 4—First Aid Measures

<b>Inhalation:</b>	Remove person to fresh air and support breathing as needed. Seek medical attention if irritation persists.
<b>Ingestion:</b>	If swallowed, 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.
<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:** Use carbon dioxide or dry chemical for small fires and water fog or foam for large fires. This product will produce foam when mixed with water.

**Special fire fighting procedures:** Wear self-contained breathing apparatus and full bunker gear. Smoke and fumes from fire may contain hazardous components. Avoid exposure to smoke. Water or foam may cause frothing.

**Hazardous combustion products:** Toxic gases such as sulfur oxides, nitrogen oxides and ammonia may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.

**Unusual fire and explosion hazards:** Thermal degradation yields ammonia and sulfur trioxide.

### Section 6—Accidental Release Measures

**Small spills:** Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mists. Spills when handling 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 an OSHA/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 (H <sub>2</sub> O=1):	1.253 g/mL
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:	Not determined
Appearance and odor:	Pale yellow liquid with slight odor	Flash point/method:	>200F (Closed cup)

### Section 10—Reactivity Data

**Stability:** Stable at temperatures above 40°F. Do not allow product to freeze.

**Chemical Incompatibilities:** Strong oxidizers, bases, chlorates, and nitrates.

**Conditions to Avoid:** Temperatures below 40°F.

**Hazardous Decomposition Products:** Ammonia, sulfur trioxide

**Hazardous Polymerization:** Will not occur.

### Section 11—Toxicological Information

Potential eye effects:	May cause eye irritation.
Potential skin effects:	May be harmful if absorbed through skin. May cause skin irritation.
Potential ingestion effects:	If swallowed, gastric upset, ulceration or hemorrhage of the G.I. tract and diarrhea can occur. Systemic ammonia poisoning is possible if sufficient absorption occurs.
Potential inhalation effects:	May be harmful if inhaled. May cause respiratory tract irritation.
Chronic effects:	Not determined
Acute inhalation effects:	Not determined
Acute oral effects:	LD50 in rats is 18.9 g/kg. General depressed activity, muscle contraction or spasticity.
Acute dermal effects:	Classified as mildly irritating in rabbits (eye). Classified as slightly irritating in rabbits (skin).
Mutagenicity:	Not determined
Teratogenicity:	Not determined
Carcinogenicity:	NTP: Not a carcinogen      IARC: Not a carcinogen      OSHA: Not a carcinogen

### Section 12—Ecological Information

**Soil Absorption/Mobility:** Mobile in soil profile.  
**Toxicity to aquatic invertebrates:** EC50=377 mg/L, NOEC=40mg/L, and LOEC=200 mg/L for Daphnia magna (water flea).  
**Toxicity to fish:** LC50=447 mg/L, NOEC=40 mg/L and LOEC=200 mg/L for both fathead minnow and rainbow trout.

### 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. Do not reuse.

### Section 14—Transport Information

Not regulated by the DOT as a hazardous material.

### Section 15—Regulatory Information

**OSHA hazards:** No OSHA hazards  
**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.  
**SARA Title III, Section 311/312:** Immediate: **Yes**      Delayed: **No**  
Sudden Release of Pressure: **No**      Fire: **No**      Reactive: **No**  
**SARA Title III, Section 313:** Contains ammonium sulfate (CAS 7783-20-2)  
**CERCLA:** This product contains the following "Hazardous substance" under CERCLA, which may require reporting of releases: Benzenesulfonic acid dodecyl-compound with 2',2',2"-nitrilotris(ethanol), CAS # 27323-41-7, 0-0.3 weight % in the product. The reportable quantity is 1000 pounds.  
**CA Proposition 65 components:** This product may contain chemicals known to the State of California to cause cancer and birth defects or reproductive harm.  
**States Right-to-Know Regulations (Chemical, States):**  
1-Decanol, PA. 1-Octanol, PA. Benzenesulfonic acid dodecyl-compound with 2,2',2"-nitrilotris(ethanol), MA, NJ, PA.  
Ammonium sulfate, MA, NJ, PA.  
**RCRA Characteristics:** Not applicable

### Section 16—Other

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