

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

<u>Section 1—Chemical Product and Company Identification</u>	
Product Name:	Newton <sup>®</sup>
Common Name:	Agricultural Adjuvant
Chemical Description:	Proprietary mixture of surfactants, modified seed oil, and nitrogen fertilizer
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:	08/26/2011 Supersedes documents dated 01/28/2010 and 02/26/2010

<u>Section 2—Hazards Identification</u>
<b>Emergency Overview:</b> Flammable, harmful by ingestion, irritant. Clear, pale yellow liquid with an ammonia odor. 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> May cause mild irritation.
<b>Skin:</b> Contact may cause moderate irritation.
<b>Ingestion:</b> May cause slight irritation of the throat and respiratory discomfort.
<b>Medical Conditions Generally Aggravated by Exposure:</b>
None known.

<u>Section 3—Composition Information on Ingredients</u>		
Ingredient	% (wt)	CAS reg. #
n-Butanol	5.0%	71-36-3

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

<u>Section 4—First Aid Measures</u>	
<b>Inhalation:</b>	Remove person to fresh air and support breathing as needed. Seek medical attention if irritation persists.
<b>Ingestion:</b>	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:** Dry chemical, water spray, water fog, CO<sub>2</sub>, foam, or Sand/Earth

**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, carbon dioxide and other asphyxiates may form as well.

**Unusual Fire and Explosion Hazards:** None known. Contain run-off by diking to prevent contamination of water supplies.

### Section 6—Accidental Release Measures

**Small Spills:** Spills should be cleaned up immediately to prevent spreading. Absorb with an inert material such as sand, soil or vermiculite and sweep up. Dispose of in accordance with federal, state and local regulations.

**Large Spills:** Spills should be cleaned up immediately to prevent spreading. Absorb with an inert material such as sand, soil or vermiculite and sweep up. Dispose of in accordance with federal, state and local regulations.

**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. Store between 40°F and 120°F.

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

### Section 8—Control Measures/Personal Protection

**ACGIH TLV:** n-butanol (CAS # 71-36-3): 20 ppm

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an 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

<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.16
<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>	Dispersible	<b>pH:</b>	8.5
<b>Appearance and odor:</b>	Clear, pale yellow liquid with ammonia odor	<b>Flash Point:</b>	>141°F

### Section 10—Reactivity Data

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

**Chemical Incompatibilities:** Keep away from strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

**Conditions to Avoid:** None known.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide from burning.

**Hazardous Polymerization:** Will not occur.

### Section 11—Toxicological Information

Eye Effects: Irritation  
Skin Effects: May cause irritation  
Acute Inhalation Effects: Not determined  
Acute Oral Effects: Not determined  
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.

### 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 U.S. DOT as a hazardous material.

49 CFR 173.120(b)(3)

### Section 15—Regulatory Information

TSCA Inventory: Not determined

SARA Title III, Section 302: Not determined

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

SARA Title III, Section 313: n-Butanol (CAS # 71-36-3).

CERCLA: n-butanol has a reportable quantity (RQ) of 5,000 lbs (cannot be reached in any package size)

State Right-to-Know components (component/states): n-Butanol (CAS # 71-36-3)/MA, PA, NJ.

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

RCRA Classification: U031 (n-butanol)

### Section 16—Other

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Revision Date 8-26-11: Revised Section 14