

## Safety Data Sheet

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	1	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

Not regulated as a hazardous material for ground transport.  
(See Section 14 for additional information)

SECTION 1: IDENTIFICATION		
<b>Product Name:</b>	Crimson NG	
<b>Common Name:</b>	Agricultural Adjuvant	
<b>Chemical Description:</b>	Water conditioner	
<b>Recommended Uses:</b>	Agricultural Adjuvant. See product label for complete list of recommended uses and use sites.	
<b>Restrictions for Use:</b>	See product label for information regarding restrictions on the use of this product.	
<b>Manufactured For:</b>	<b>Initial Supplier:</b>	<b>MEDICAL EMERGENCY TELEPHONE NUMBER:</b>
WINFIELD SOLUTIONS, LLC	WINFIELD UNITED CANADA, ULC	1-877-424-7452 (24hrs)
P. O. Box 64589	101-302 Wellman Lane	
St. Paul, MN 55164-0589	Saskatoon, Saskatchewan S7T-0J1, CAN	
	1-306-249-5112	
<b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)</b>		

SECTION 2: HAZARDS IDENTIFICATION			
<b>EMERGENCY OVERVIEW:</b> Pale yellow liquid with slight odor. Causes eye irritation.			
<b>POTENTIAL HEALTH EFFECTS:</b>			
<b>Eyes:</b> May be mildly irritating to the eyes. Prolonged or repeated overexposure may cause eye irritation.			
<b>Skin:</b> Prolonged or repeated exposure may cause mild skin irritation.			
<b>Inhalation:</b> Pre-existing respiratory conditions may be aggravated by exposure to mists.			
<b>Ingestion:</b> Not anticipated to be harmful if swallowed, however gastric upset may occur.			
<b>Preexisting Conditions:</b> Pre-existing respiratory conditions may be aggravated by exposure to mists.			
<b>Chronic Health Effects:</b> None known.			
<b>Carcinogenicity</b>	NTP: Not listed	IARC: Not listed	OSHA: Not listed
<b>OSHA HCS 2012 CLASSIFICATION:</b> Eye Irritant Category 2B			
<b>SIGNAL WORD:</b> WARNING			
<b>HAZARD STATEMENTS:</b>			
Causes eye irritation.			
<b>Percent of product with unknown toxicity:</b> 0%			
<b>PRECAUTIONARY STATEMENTS:</b>			
<b>Prevention:</b>	Wash hands thoroughly after handling		
<b>Response:</b>	If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.		
<b>Storage:</b>	See section 7 for information on product storage.		
<b>Disposal:</b>	See section 13 for information on product disposal.		

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>% (wt)</b>	<b>CAS Reg. #</b>
Ammonium sulfate	33-35%	7783-20-2
Alkyl polyglucoside	0-4%	68515-73-1
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(j).		
See Section 8 for exposure limits.		

**SECTION 4: FIRST AID MEASURES**

<b>Inhalation:</b>	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
<b>Ingestion:</b>	Seek medical attention or call a poison control center. 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.
<b>Eyes:</b>	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
<b>Skin:</b>	Remove contaminated clothing and wash before re-using them. Wash exposed skin with soap and water. Seek medical attention if skin becomes irritated.

**SECTION 5: FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Use dry chemical powder for small fires and water fog or foam for large fires.
<b>Unsuitable Extinguishing Media:</b>	Water jet.
<b>Special Fire Fighting Procedures:</b>	Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.
<b>Hazardous Combustion Products:</b>	Toxic gases such as nitrogen oxides and ammonia may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.
<b>Unusual Fire and Explosion Hazards:</b>	None known.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
<b>Environmental Precautions:</b>	Minimize runoff into nearby water sources.
<b>Methods for Containment:</b>	Contain spilled liquid by diking area with sand or earth.
<b>Methods for Clean-up:</b>	Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop or sweep up material and place in a container for disposal. Do not place spilled material back in original container.
<b>Other Information:</b>	No other information available.

**SECTION 7: HANDLING AND STORAGE**

<b>Handling:</b>	Ensure adequate ventilation. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.
<b>Storage:</b>	Store in cool, dry area away from children, feed and food products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire. Maintain product above minimum storage temperature.
<b>Minimum Storage Temperature:</b>	40°F
<b>Other Precautions:</b>	Consult Federal, state and local laws and regulations pertaining to storage.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Guidelines	OSHA PEL	ACGIH TLV	NIOSH REL
<b>Component:</b>			
No components have exposure guidelines.			
<b>Respiratory Protection:</b> 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.			
<b>Engineering Controls:</b>	<b>Local Exhaust:</b> Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.		
<b>Protective Gloves:</b> While not expected to cause skin irritation, wear chemically protective gloves to prevent repeated exposure to the skin.			
<b>Eye Protection:</b> To avoid contact with eyes, wear chemical goggles or shielded safety glasses. Contact lenses are not eye protective devices. An emergency eyewash or water supply should be readily accessible to the work area.			
<b>Other Protective Clothing or Equipment:</b> Wear long-sleeve shirt, long pants and shoes plus socks to prevent prolonged or repeated skin contact.			
<b>Work/Hygienic Practices:</b> Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.245 g/ml (typical)
<b>Vapor Pressure (mm Hg):</b>	Not determined	<b>Density (lbs/gallon):</b>	10.38 – 10.40 lbs/gal
<b>Vapor Density (Air=1):</b>	Not determined	<b>Melting Point/Freezing Point:</b>	Not determined
<b>Solubility in Water (wt %):</b>	Soluble	<b>Boiling Point/Range:</b>	Not determined
<b>Viscosity:</b>	Not determined	<b>pH:</b>	6.0-6.5
<b>Appearance and odor:</b>	Pale yellow liquid with slight odor	<b>Flash Point:</b>	>200°F (93.33°C)

SECTION 10: STABILITY AND REACTIVITY	
<b>Reactivity:</b> None known.	
<b>Chemical Stability:</b> Product is stable at ambient temperature and pressure, under normal storage and handling.	
<b>Possibility of Hazardous Reactions:</b> None known.	
<b>Conditions to Avoid:</b> Excessive heat, temperatures below 40°F	
<b>Incompatible Materials:</b> Strong acids, bases, reducing agents and oxidizing agents	
<b>Hazardous Decomposition Products:</b> Toxic gases such as nitrogen oxides and ammonia may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.	

SECTION 11: TOXICOLOGICAL INFORMATION	
<b>ACUTE TOXICITY</b>	
<b>Eye Effects:</b>	Mildly Irritating
<b>Skin Effects:</b>	LD50 > 5000 mg/kg; slightly irritating
<b>Acute Inhalation Effects:</b>	Not determined
<b>Acute Oral Effects:</b>	LD50 > 5000 mg/kg
<b>Specific Target Organ Toxicity:</b>	None known.
<b>CHRONIC TOXICITY</b>	
<b>Chronic Effects:</b>	Not anticipated to have chronic health effects due to exposure.
<b>Carcinogenicity:</b>	None of the components of this product are known or suspected of having carcinogenic effects.
<b>Mutagenicity:</b>	None of the components of this product are known or suspected of having mutagenic effects.
<b>Teratogenicity:</b>	None of the components of this product are known or suspected of having teratogenic effects.
<b>Reproductive Toxicity:</b>	None of the components of this product are known or suspected of having effects on the reproductive system.

*Continued on Next Page*

<b>POTENTIAL HEALTH EFFECTS:</b>
<b>Eyes:</b> May be mildly irritating to the eyes. Prolonged or repeated overexposure may cause eye irritation.

**Skin:** Prolonged or repeated exposure may cause mild skin irritation.  
**Inhalation:** Pre-existing respiratory conditions may be aggravated by exposure to mists.  
**Ingestion:** Not anticipated to be harmful if swallowed, however gastric upset may occur.  
**Preexisting Conditions:** Pre-existing respiratory conditions may be aggravated by exposure to mists.  
**Chronic Health Effects:** None known.

**SECTION 12: ECOLOGICAL INFORMATION**

**ENVIRONMENTAL SUMMARY:** This product is not expected to cause environmental harm in recommended amounts.

**ECOTOXICITY DATA:**

**Fish Acute and Prolonged Toxicity:** LC50=447 mg/L, NOEC=40 mg/L and LOEC=200 mg/L for both fathead minnow and rainbow trout.  
**Aquatic Invertebrate Acute Toxicity:** EC50=377 mg/L, NOEC=40mg/L, and LOEC=200 mg/L for Daphnia magna (water flea).  
**Aquatic Plant Toxicity:** Not determined  
**Bird Acute and Prolonged Toxicity:** Not determined  
**Honeybee Toxicity:** Not determined

**ENVIRONMENTAL EFFECTS:**

**Soil Absorption/Mobility:** Mobile in soil profile  
**Persistence and degradability:** Not determined  
**Bioaccumulative Potential:** Not determined  
**Other adverse effects:** None known

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste:** Dispose of in accordance with applicable Federal, state and local laws and regulations.  
**Container:** Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.  
**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

**SECTION 14: TRANSPORT INFORMATION**

**DOT:**  
**(Ground)** Not regulated by the U.S. Department of Transportation as a hazardous substance.  
**IMDG:**  
**(Sea)** Not regulated as a hazardous substance for shipment by sea.  
**IATA:**  
**(Air)** Not regulated as a hazardous substance for shipment by air.  
**TDG:**  
**(Canada)** Not regulated for transport as a hazardous substance.

**SECTION 15: REGULATORY INFORMATION**

**TSCA Inventory:** All components are listed on the TSCA inventory or are exempt from listing.

**SARA Title III Information:**

**Section 302 - Extremely hazardous substances:** None listed  
**Section 311/312 – Hazard Categories:** None listed  
**Section 313 –** The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:  
 None listed

**CERCLA -** This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):  
 None listed

Continued on Next Page

**U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):**

<b>Chemical Name</b>	<b>CAS #</b>	<b>State(s)</b>
Ammonium Sulfate	7783-20-2	MA, NJ, PA, RI

**Canadian Domestic Substances List:** All components are listed.

**WHMIS Classification:** Not classified

**SECTION 16: OTHER**

**Disclaimer:** The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

**Revision Date:** October 7, 2019

**Supersedes document dated:**

**Sections Revised:**