

# SAFETY DATA SHEET



Date Issued : 1/5/2016

SDS No : Altitude 9-18-9

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Altitude 9-18-9**CHEMICAL FAMILY:** Nutritional**DISTRIBUTOR**

ALTITUDE CROP INNOVATIONS LLC  
4850 Hahn's Peak Drive  
Suite 200  
Loveland, CO 80538

**24 HR. EMERGENCY TELEPHONE NUMBERS**

24-Hour Emergency Assistance Call: 1-800-222-1222  
Chemical Emergency Call CHEMTREC: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Acute Toxicity (Oral), Category 4  
Eye Irritation, Category 2A  
Skin Irritation, Category 2

**GHS LABEL**

Exclamation  
mark

**SIGNAL WORD:** WARNING**HAZARD STATEMENTS**

H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS****General:**

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.

**Prevention:**

P264: Wash hands, face and other affected areas thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330: Rinse mouth.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment see Section 4, First Aid Measures, on this SDS.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

**Disposal:**

P501: Dispose of contents/container to Local, State and Federal Regulations.

**CARCINOGENICITY:** None known.

**SENSITIZATION:** None known.

**COMMENTS:** Read all precautions of products being handled and follow the most restrictive language for all products to provide the safest work environment.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Available Phosphate	18	7664-38-2
Soluble Potash	9	1310-58-3
Urea Nitrogen	5.4	57-13-6
Ammoniacal Nitrogen	3.6	7664-41-7

**COMMENTS: DERIVED FROM:** Anyhydrous Ammonia, Urea, Phosphoric Acid, Potassium Hydroxide.

### 4. FIRST AID MEASURES

**EYES:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eyes. 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.

**INGESTION:** Immediately call a poison control center or doctor. Dilute with large amounts of water. Do not induce vomiting unless directed to do so by a medical professional. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. If vomiting occurs, keep head lower than hips to prevent introduction of fluid into the lungs.

**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.

**NOTES TO PHYSICIAN:** All treatments should be based on observed signs and symptoms of distress in the patient.

Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

**ADDITIONAL INFORMATION:** Have the product container or label with you when calling a poison control center or doctor, or going in for treatment. For emergency medical assistance call **NPCC 1-800-222-1222** or call **CHEMTREC 1-800-424-9300**.

### 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** This product can burn under fire conditions. Toxic fumes may be emitted in a fire situation.

**EXTINGUISHING MEDIA:** Dry chemical, water spray, water fog, CO<sub>2</sub>, foam, sand or earth

**HAZARDOUS COMBUSTION PRODUCTS:** Decomposition of UAN may produce oxides of nitrogen and ammonia.

**EXPLOSION HAZARDS:** No specific explosion hazards are identified or expected. Always fight fire with the implication that other volatile substances may be present.

**FIRE FIGHTING PROCEDURES:** Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Immediately pick up spilled liquid with absorbent material and sweep up for disposal. Place it and damaged unusable containers in a landfill appropriate for non hazardous chemical waste. Wash the contaminated area with detergent and soap solution. Check local, state, and federal regulations for proper disposal.

**LARGE SPILL:** Dike around the spill area to prevent spreading. Pick up spilled material with suitable absorbent material and place in appropriate container for disposal. Scrub the contaminated area with a detergent or soap solution. Place it and unusable containers in a landfill appropriate for non hazardous chemical waste. Check local, state, and federal regulations for proper disposal.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Do not contaminate any body of water.

**LAND SPILL:** Avoid runoff onto any adjacent land.

**SPECIAL PROTECTIVE EQUIPMENT:** Always wear proper protective equipment when handling this product.

## 7. HANDLING AND STORAGE

**HANDLING:** Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid contact with eyes and contact with skin. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**STORAGE:** Store in original container. Keep container tightly closed. Do not allow water or other chemicals to be introduced into contents of container. Do not contaminate water sources with equipment wash water, spray disposal waste or by cleaning of equipment. Keep away from food, feed or other product to prevent contamination. Do not use or store near open flame.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Available Phosphate	TWA		1 mg/m <sup>3</sup>		1 mg/m <sup>3</sup>	NL	NL
	STEL				3 mg/m <sup>3</sup>	NL	NL
Ammoniacal Nitrogen	TWA	50	35	25	18	NL	NL
	STEL			35	27	NL	NL

**ENGINEERING CONTROLS:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear chemical goggles or shielded safety glasses (ANSI Z87.1 or approved equivalent) when handling and mixing product. Contact lenses should not be worn when working with chemicals.

**SKIN:** Wear chemical resistant gloves such as Viton or barrier laminate, Coveralls over long-sleeved shirt, long pants and chemical resistant footwear plus socks. Chemical resistant headgear for overhead exposure. When exposed to product concentrate, wear a chemical resistant apron. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.

**RESPIRATORY:** Work in a well ventilated area. Avoid exposure to airborne contaminants. Wear a NIOSH/MSHA approved dust mask or filter when vapors or dust are generated above the permissible limit.

**PROTECTIVE CLOTHING:** Eye protection, long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves.

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Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**OTHER USE PRECAUTIONS:** Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Wash thoroughly after handling product. Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk from the work area per ANSI Z358.1-1990

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Odorless

**APPEARANCE:** Liquid

**COLOR:** Colorless

**pH:** 7.10 to 7.40

**PERCENT VOLATILE:** Not Established

**FLASH POINT AND METHOD:** Not Established

**FLAMMABLE LIMITS:** Not Established

**AUTOIGNITION TEMPERATURE:** Not Established

**VAPOR PRESSURE:** Not Established

**VAPOR DENSITY:** Not Established

**BOILING POINT:** Not Established

**FREEZING POINT:** Not Established

**MELTING POINT:** Not Established

**POUR POINT:** Not Established

**THERMAL DECOMPOSITION:** Not Established

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Established

**DENSITY:** Not Established

**SPECIFIC GRAVITY:** 1.318 to 1.331 at (70°F)

**VISCOSITY:** Not Established

**MOLECULAR WEIGHT:** Not Established

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Heat and extreme temperatures

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition of UAN may produce oxides of nitrogen and ammonia.

**INCOMPATIBLE MATERIALS:** Strong bases, acids and oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**DERMAL LD<sub>50</sub>:** Not yet Known

**ORAL LD<sub>50</sub>:** > 2000 mg/kg

**INHALATION LC<sub>50</sub>:** Not yet Known

**EYE EFFECTS:** Causes severe eye irritation.

**SKIN EFFECTS:** Causes skin irritation.

### CARCINOGENICITY

**Notes:** Not listed in OSHA, NTP, IARC or ACGIH

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**COMMENTS:** Acute toxicity values are estimated and based on the toxicity of the technical materials contained in this product.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Ecotoxicity information is not available. This product is not for use in aquatic settings. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not regulated by DOT

## 15. REGULATORY INFORMATION

### UNITED STATES

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Not Listed

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Ammoniacal Nitrogen	3.6	7664-41-7

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt.%	CERCLA RQ
Available Phosphate	18	5,000
Soluble Potash	9	1,000
Ammoniacal Nitrogen	3.6	100

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Available Phosphate	7664-38-2
Soluble Potash	1310-58-3
Urea Nitrogen	57-13-6
Ammoniacal Nitrogen	7664-41-7

**TSCA REGULATORY:** All components of this product are listed under the regulation of the Toxic Substance Control Act.

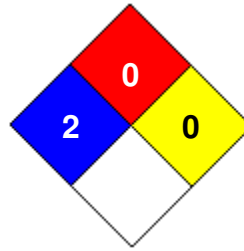
**CLEAN AIR ACT**

Chemical Name	Wt.%	CAS
Ammoniacal Nitrogen	3.6	7664-41-7

**CALIFORNIA PROPOSITION 65:** Not Listed

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** New Product

**NFPA CODES****GENERAL STATEMENTS: DISCLAIMER AND LIMITATION OF LIABILITY**

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