



# MATERIAL SAFETY DATA SHEET

FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL: 1-800-654-6911 (OUTSIDE  
USA: 1-423-780-2970)  
FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®: 1-800-424-9300 (OUTSIDE  
USA: 1-703-527-3887)  
FOR ALL MSDS QUESTIONS & REQUESTS, CALL: 1-800-511-MSDS (OUTSIDE  
USA: 1-423-780-2347)

PRODUCT NAME: **ULTIMA NIX**

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Supplier</b> Ultima 1400 Bluegrass Lakes Parkway , Alpharetta, GA, 30004 United States	REVISION DATE: 03/31/2011 SUPERCEDES: 09/29/2010
Telephone: +17705215999 Telefax: +17705215959 Web: <a href="http://www.poospacare.com">www.poospacare.com</a>	MSDS Number: 000000012494 SYNONYMS: None CHEMICAL FAMILY: None DESCRIPTION / USE: None established FORMULA: None established

**Manufacturer**  
Advantis Technologies  
1400 Bluegrass Lakes Parkway  
Alpharetta, GA 30004  
United States of America

## 2. HAZARDS IDENTIFICATION

OSHA Hazard Classification:	<b>Corrosive to eyes, skin and mucous membranes, Lung toxin, Combustible Liquid</b>
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Routes of Entry:	Inhalation, skin, eyes, ingestion
Chemical Interactions:	No known or reported interactions.
Medical Conditions Aggravated:	None known or reported



Human Threshold Response Data

Odor Threshold                      Not established for product.

Irritation Threshold                Not established for product.

**Hazardous Materials Identification System / National Fire Protection Association Classifications**

<u>Hazard Ratings :</u>	<u>Health</u>	<u>Flammability</u>	<u>Physical / Instability</u>	<u>PPI / Special hazard.</u>
HMIS	3	2	0	
NFPA	3	2	0	

Immediate (Acute) Health Effects

Inhalation Toxicity:                      Inhalation of this material in vapor form is irritating to the nose, mouth, throat and lungs. It may also cause burns to the respiratory tract which can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentrations may result in permanent lung damage.

Skin Toxicity:                                Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling, and scab formation. Prolonged skin exposure may cause permanent damage.

Eye Toxicity:                                 Severe irritation and/or burns can occur following eye exposure. Direct contact may cause impairment of vision and corneal damage.

Ingestion Toxicity:                         Moderately toxic if swallowed. Irritation and/or burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding, and/or tissue ulceration. Ingestion may cause severe damage to the gastrointestinal tract with the potential to cause perforation. Harmful if swallowed.

Acute Target Organ Toxicity:             This product is corrosive to all tissues contacted and upon inhalation, may cause irritation to mucous membranes and respiratory tract.

Prolonged (Chronic) Health Effects

Carcinogenicity:                            This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Reproductive and Developmental Toxicity:             Not known or reported to cause reproductive or developmental toxicity.

Inhalation:                                    Repeated inhalation exposure may cause impairment of lung function and permanent lung damage.

Skin Contact:                                 Repeated dermal exposure may cause tissue destruction due to the corrosive nature of this product.



Ingestion: There are no known or reported effects from chronic ingestion except for effects similar to those experienced from single exposure. The acute corrosivity of this product, makes chronic ingestion of significant amounts unlikely.

Eye Contact: Prolonged contact may result in permanent damage. Corneal involvement or visual impairment is expected.

Sensitization: This material is not known or reported to be a skin or respiratory sensitizer.

Chronic Target Organ Toxicity: This product is corrosive to all tissues contacted.

Supplemental Health Hazard Information : No additional health information available.

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKY	68424-85-1	
LANTHANUM CHLORIDE	10099-58-8	
ALCOHOL DENAT.	64-17-5	

### **4. FIRST AID MEASURES**

General Advice: Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Inhalation: IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Skin Contact: IF ON SKIN OR CLOTHING: 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.

Eye Contact: IF IN EYES: Hold eye 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 eye. Call a poison control center or doctor for treatment advice.



Ingestion: IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have 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.

Notes to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE FIGHTING MEASURES

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Flammability Summary (OSHA): Combustible.

### Flammable Properties

Flash Point: 43 °C

Fire / Explosion Hazards: Vapors may form explosive mixture with air. Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a flash fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

Extinguishing Media: Use dry chemical, water fog, carbon dioxide (CO<sub>2</sub>), or foam.

Fire Fighting Instructions: In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus. Use water to cool containers.

Hazardous Combustion Products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

## 6. ACCIDENTAL RELEASE MEASURES

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Personal Protection for Emergency Situations: Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit, self-contained breathing apparatus.

### Spill Mitigation Procedures

Air Release: Hazardous concentrations in air may be found in local spill area and immediately downwind. Vapors may be suppressed by the use of water fog.

Water Release: Notify all downstream users of possible contamination. Divert water flow around spill if possible and safe to do so.



Land Release: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Avoid runoff into storm sewers and ditches which lead to waterways.

Additional Spill Information : Remove all sources of ignition. Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

## **7. HANDLING AND STORAGE**

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Handling: Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Avoid breathing mist or vapor.

Storage: Store in a cool dry ventilated location, away from sources of ignition or other incompatible conditions and chemicals. Keep container(s) closed. Avoid freezing.

Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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Ventilation: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

### Protective Equipment for Routine Use of Product

Respiratory Protection : Wear a NIOSH approved respirator if levels above the exposure limits are possible., A NIOSH approved air purifying respirator with organic vapor cartridge and N95 particulate filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

Skin Protection : Wear impervious gloves, boots and apron to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body.

Eye Protection: Use chemical goggles and a faceshield.

Protective Clothing Type: Impervious

General Protective Measures: An eye wash and safety shower should be provided in the immediate work area.



Exposure Limit Data

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>Name of Limit</u>	<u>Exposure</u>
ALCOHOL DENAT.	64-17-5	ACGIH	1,000 ppm TWA
ALCOHOL DENAT.	64-17-5	OSHA Z1	1,000 ppm TWA 1,900 mg/m3 TWA
ALCOHOL DENAT.	64-17-5	NIOSH-IDLH	3,300 ppm

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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Physical State:	liquid
Form	No data.
Color:	No data.
Odor:	No data.
Molecular Weight:	None established
Specific Gravity :	1.16
pH :	20 °C 6.45
Boiling Point:	no data available
Freezing Point:	not applicable
Melting Point:	not applicable
Density:	
Bulk Density:	1,160 kg/m3
Vapor Pressure:	no data available
Vapor Density:	no data available
Viscosity:	108.4 mPas 20 °C
Solubility in Water:	soluble
Partition coefficient n-octanol/water:	Not applicable
Evaporation Rate:	no data available
Oxidizing:	None established
Volatiles, % by vol.:	no data available
VOC Content	no data available
HAP Content	Not applicable

**10. STABILITY AND REACTIVITY**

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Stability and Reactivity Summary: Stable under normal conditions.  
 Reactive Properties: Product is sensitive to electrical static discharge.  
 Conditions to Avoid: Sparks, open flame, other ignition sources, and elevated temperatures., Avoid freezing.  
 Chemical Incompatibility: Strong oxidizing agents, Reducing agents  
 Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Hydrogen chloride, Oxides of nitrogen  
 Decomposition Temperature: No data

## 11. TOXICOLOGICAL INFORMATION

### Component Animal Toxicology

#### Oral LD50 value:

QUATERNARY LD50 = 426 mg/kg Rat  
 AMMONIUM  
 COMPOUNDS, BENZYL-  
 C12-16-ALKY  
 LANTHANUM CHLORIDE LD50 = 4,184 mg/kg rat  
 ALCOHOL DENAT. LD50 = 7,060 mg/kg Rat

### Component Animal Toxicology

#### Dermal LD50 value:

QUATERNARY No data  
 AMMONIUM  
 COMPOUNDS, BENZYL-  
 C12-16-ALKY  
 LANTHANUM CHLORIDE no data available  
 ALCOHOL DENAT. LD50 Believed to be > 2,000 mg/kg Rabbit

### Component Animal Toxicology

#### Inhalation LC50 value:

QUATERNARY No data  
 AMMONIUM  
 COMPOUNDS, BENZYL-  
 C12-16-ALKY  
 LANTHANUM CHLORIDE no data available  
 ALCOHOL DENAT. Inhalation LC50 10 h = 20,000 ppm Rat

### Product Animal Toxicity

Oral LD50 value: LD50 Believed to be approximately 875 mg/kg rat

<u>Dermal LD50 value:</u>	LD50 Believed to be > 2,000 mg/kg rabbit
<u>Inhalation LC50 value:</u>	no data available
Skin Irritation:	Expected to be corrosive.
Eye Irritation:	Corrosive to eyes.
Skin Sensitization:	This material is not known or reported to be a skin or respiratory sensitizer.
Acute Toxicity:	This product is corrosive to all tissues contacted and upon inhalation, may cause irritation to mucous membranes and respiratory tract.
Subchronic / Chronic Toxicity:	Not known or reported to cause subchronic or chronic toxicity.
Reproductive and Developmental Toxicity:	Not known or reported to cause reproductive or developmental toxicity.
ALCOHOL DENAT.	This chemical has been tested in laboratory animals and developmental and/or teratogenic effects were seen following ingestion.
Mutagenicity:	Not known or reported to be mutagenic.
ALCOHOL DENAT.	This product has been tested for mutagenicity. Tests revealed both positive and negative results. Based on the weight of evidence, we judge this product NOT to be a mutagenic hazard.
Carcinogenicity:	This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.
ALCOHOL DENAT.	The International Agency for Research on Cancer (IARC) has classified this product or a component of this product as a Group 3 substance, Unclassifiable as to Its Carcinogenicity to Humans. The FDA determined that this product is not carcinogenic in laboratory animals.

## 12. ECOLOGICAL INFORMATION

Overview: No data for product. Individual constituents are as follows:

Ecological Toxicity Values for: ALCOHOL DENAT.

Fathead minnow (Pimephales promelas),	- (nominal, static). 96 h LC50 = 14,700 mg/l
Rainbow trout (Salmo gairdneri),	- (nominal, static). 96 h LC50 = 13,000 mg/l
Brine shrimp	- (nominal, static). 48 h LC50= 25.5 mg/l





Daphnia pulex	- (nominal, static). 18 h LC50= 12,100 mg/l
Daphnia magna,	- (nominal, static). 48 h EC50> 10,000 mg/l
Daphnia magna,	- (nominal, static). 48 h LC50= 9,248 mg/l
Ceriodaphnia dubia	- (nominal, static). 48 h LC50= 8,808 mg/l

### 13. DISPOSAL CONSIDERATIONS

**CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.**

Waste Disposal Summary : If this product becomes a waste, it meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D001.

Disposal Methods : As a hazardous liquid waste it must be disposed of in accordance with local, state and federal regulations.

### 14. TRANSPORT INFORMATION

Land (US DOT): UN1760 CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM COMPOUND) 8 III

Water (IMDG): UN1760 CORROSIVE LIQUID, N.O.S., (QUATERNARY AMMONIUM COMPOUND) 8 III MARINE POLLUTANT

Air (IATA): UN1760 CORROSIVE LIQUID, N.O.S., (QUATERNARY AMMONIUM COMPOUND) 8 III

Emergency Response Guide Number: ERG # 154



Transportation Notes: Under specific circumstances, this product can ship under two transport exceptions, Limited Quantity or Consumer Commodity. See Bill of Lading for proper shipping description. Material is not regulated as a marine pollutant for ground transportation within the US if shipped in non-bulk packages.

EMS: F-A, S-B

**15. REGULATORY INFORMATION**

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**UNITED STATES:**

Toxic Substances Control Act (TSCA): This product is regulated under the Federal Insecticide, Fungicide and Rodenticide Act. It must be used for purposes consistent with its labeling.

EPA Pesticide Registration Number: None established

FIFRA Listing of Pesticide Chemicals (40 CFR 180): This product is regulated under the Federal Insecticide, Fungicide and Rodenticide Act. It must be used for purposes consistent with its labeling.

**Superfund Amendments and Reauthorization Act (SARA) Title III:**

Hazard Categories Sections 311 / 312 (40 CFR 370.2):

Health Immediate (Acute) Health Hazard  
Physical Fire Hazard

**Emergency Planning & Community Right to Know (40 CFR 355, App. A):**

**Extremely Hazardous Substance Section 302 - Threshold Planning Quantity:**

ZUS\_SAR302 TPQ (threshold planning quantity) None established

**Reportable Quantity (49 CFR 172.101, Appendix):**

ZUS\_CERCLA Reportable quantity None established  
ZUS\_SAR302 Reportable quantity None established

**Supplier Notification Requirements (40 CFR 372.45), 313 Reportable Components**

ZUS\_SAR313 De minimis concentration None established

**Clean Air Act Toxic ARP Section 112r:**

CAA 112R None established



**Clean Air Act Socmi:**

HON SOC   None established

**Clean Air Act VOC Section 111:**

CAA 111

US. EPA Clean Air Act (CAA) Section 111 SOCMI Intermediate or Final Volatile Organic Compounds (40 CFR 60.489)

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ETHYL ALCOHOL

**Clean Air Act Haz. Air Pollutants Section 112:**

ZUS\_CAAHAP   None established

ZUS\_CAAHRP   None established

CAA AP   None established

**State Right-to-Know Regulations Status of Ingredients**

**Pennsylvania:**

CAS #	COMPONENT NAME
64-17-5	Ethanol

ZUSPA\_RTK

Pennsylvania: Hazardous substance list

1990-01-01

ETHANOL

hazardous substance

Pennsylvania: Hazardous substance list

1990-01-01

DENATURED ALCOHOL

hazardous substance

Pennsylvania: Hazardous substance list

1989-08-11

ETHANOL

**New Jersey:**

CAS #	COMPONENT NAME
64-17-5	Ethanol

ZUSNJ\_RTK

New Jersey Right to Know Hazardous Substance List (RTK-HSL)



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2007-03-01  
ETHYL ALCOHOL ALCOHOL METHYLCARBINOL ETHANOL  
Special Health Hazard - Carcinogen, Special Health Hazard - Flammable - Third Degree,  
Special Health Hazard - Mutagen, Special Health Hazard - Teratogen

**Massachusetts:**

CAS #	COMPONENT NAME
64-17-5	Ethanol

ZUSMA\_RTK

Massachusetts Right to Know List of Chemicals and Hazard Classifications  
1993-04-24

ETHYL ALCOHOL DENATURED ALCOHOL ETHANOL  
Teratogen. Sufficient evidence of teratogenic risk in humans.

**California Proposition 65:**

CAS #	COMPONENT NAME
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ZUSCA\_P65                      None established

**WHMIS Hazard Classification:**

Ingredient Disclosure List (WHMIS)  
2007-08-24  
Threshold limits: 0.1 Weight percent  
805  
Ethanol

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**16. OTHER INFORMATION**

MSDS REVISION STATUS :  
SECTIONS REVISED:                      First formulated version in SAP.  
Major References :                      Available upon request.



## MATERIAL SAFETY DATA SHEET

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .