

# SAFETY DATA SHEET



Date Issued : 2/17/2016  
SDS No : IVC with MNP

## IVC with MNP

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** IVC with MNP

**GENERIC NAME:** Nutritional

**DISTRIBUTOR**

Innkvictis Crop Care, LLC  
4850 Hahns 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 5  
Acute Toxicity (Dermal), Category 5  
Acute Toxicity (Inhalation), Category 5  
Skin Irritation, Category 3  
Eye Irritation, Category 2A

#### GHS LABEL



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H303: May be harmful if swallowed.  
H313: May be harmful in contact with skin.  
H333: May be harmful if inhaled.  
H316: Causes mild 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.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

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P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

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.

**COMMENTS:** These GHS classifications have been based off of symptoms of overexposure. Toxicological information has not yet been established.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Urea Ammonium Nitrate Solution	30 - 35	15978-77-5
Acetic Acid, Ammonium Salt	5 - 10	631-61-8
Zinc Diacetate	5 - 10	557-34-6
Ammonium Citrate, Dibasic	0 - 5	3012-65-5
Manganese Di-Potassium EDTA	0 - 5	68015-77-0
Potassium Acetate	0 - 5	127-08-2

### 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. Do not induce vomiting unless told to do so by a doctor or poison control center. Do not give any liquid to person. Never induce vomiting or give diluents to someone who is unconscious.

**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

**EXTINGUISHING MEDIA:** Foam, dry chemical, CO<sub>2</sub>, water spray or fog.

**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.

**HAZARDOUS DECOMPOSITION PRODUCTS:** When heated to decomposition this product will emit carbon, nitrogen, sulfur and metal oxides, and ammonia.

### 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

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soap solution. Check local, state, and federal regulations for proper disposal.

**LARGE SPILL:** Immediately 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. 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 prolonged 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 a cool, dry place away from children and animals. Mix well before using. Keep tightly closed. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

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

**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 protective clothing: long-sleeved shirts and long pants, shoes plus socks and chemical-resistant gloves. Always refer to the label of the chemical 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. 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:** Mild Ammonia

**COLOR:** Dark green

**pH:** ~ 6.5

**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

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**THERMAL DECOMPOSITION:** Not Established**SOLUBILITY IN WATER:** Soluble**EVAPORATION RATE:** Not Established**DENSITY:** Not Established**SPECIFIC GRAVITY:** ~ 1.242**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**INCOMPATIBLE MATERIALS:** Strong acids, bases, oxidizers, aluminum, copper, and nickel alloys.**11. TOXICOLOGICAL INFORMATION****ACUTE****DERMAL LD<sub>50</sub>:** Not Established**Notes:** May be harmful in contact with skin.**ORAL LD<sub>50</sub>:** Not Established**Notes:** May be harmful if swallowed.**INHALATION LC<sub>50</sub>:** Not Established**Notes:** May be harmful if inhaled.**EYE EFFECTS:** Causes serious eye irritation.**SKIN EFFECTS:** Causes mild skin irritation.**CARCINOGENICITY****Notes:** Not listed in OSHA, NTP, IARC or ACGIH**COMMENTS:** These toxicological results are based off of symptoms of overexposure.**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** Ecotoxicity information is not available. This product is not for use in aquatic settings.**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)****FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No**313 REPORTABLE INGREDIENTS:** Zinc Compounds (~8%), Manganese Compounds (~1%), Copper Compounds (~1%), Zinc Acetate [313c](7%)

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

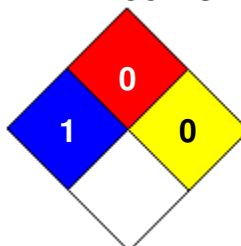
Chemical Name	Wt.%	CERCLA RQ
Acetic Acid, Ammonium Salt	5 - 10	5,000
Zinc Diacetate	5 - 10	1,000
Ammonium Citrate, Dibasic	0 - 5	5,000

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Urea Ammonium Nitrate Solution	15978-77-5
Acetic Acid, Ammonium Salt	631-61-8
Zinc Diacetate	557-34-6
Ammonium Citrate, Dibasic	3012-65-5
Manganese Di-Potassium EDTA	68015-77-0
Potassium Acetate	127-08-2

**16. OTHER INFORMATION**

**REASON FOR ISSUE:** New SDS Format

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

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