

# SAFETY DATA SHEET



Date Issued : 2/18/2015  
SDS No : Novus 28-0-0

## Novus 28-0-0

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Novus 28-0-0  
**CHEMICAL FAMILY:** Fertilizer  
**GENERIC NAME:** Urea, Urea Triazone

#### DISTRIBUTOR

Innvictis Crop Care, LLC  
4850 Hahns Peak Drive, Suite 200  
Loveland, CO 80538

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

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 2B

#### GHS LABEL

**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.  
H320: Causes 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.

##### Response:

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.

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**SENSITIZATION:** Not a skin sensitizer.

**COMMENTS HEALTH:** 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       |
|---------------|------|-----------|
| Nitrogen      | 28   | 7727-37-9 |

### 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 seek medical attention. Give large amounts of water and induce vomiting by touching the back of the throat with a finger, unless the victim is unconscious. Call a poison control center or doctor for further treatment advice.

**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 **CHEMTREC 1-800-424-9300**.

### 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** Toxic fumes may be emitted in a fire situation.

**EXTINGUISHING MEDIA:** Foam, dry chemical, carbon dioxide, water spray or fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal combustion forms carbon dioxide, water vapor and may produce oxides of carbon, nitrogen and phosphorous.

**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:** 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. 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. 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

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**HANDLING:** Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. 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. Store in a corrosive resistant container with a resistant inner liner. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

**STORAGE TEMPERATURE:** (0°F) Minimum to (120 °F) Maximum

## 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 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. 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:** Slight

**APPEARANCE:** Liquid

**COLOR:** Clear, blue-green

**pH:** 9 to 10.5

**PERCENT VOLATILE:** Not Established

**FLASH POINT AND METHOD:** > (212 °F)

**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:** 10.34-11.18 lbs/gal.

**SPECIFIC GRAVITY:** 1.24 to 1.34 g/mL

**VISCOSITY:** Not Established

**MOLECULAR WEIGHT:** Not Established

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Excessive heat and open flames.

**INCOMPATIBLE MATERIALS:** Strong oxidizers such as nitrates, nitrites or chlorates can cause explosive mixtures if heated to dryness. Avoid contact with Acids or acid materials. This product may not be compatible with copper, zinc or their alloys (i.e. bronze, brass, galvanized metals, etc.). These materials of construction should not be used in piping, handling systems or storage containers for this product.

**11. TOXICOLOGICAL INFORMATION****ACUTE**

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

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

**INHALATION LC<sub>50</sub>:** Not Established

**Notes:** May be harmful if inhaled

**EYE EFFECTS:** Causes eye irritation.

**SKIN EFFECTS:** Causes mild skin irritation.

**CARCINOGENICITY**

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

**SENSITIZATION:** Not a contact sensitizer

**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

**PRIMARY HAZARD CLASS/DIVISION:** Not regulated by DOT

**UN/NA NUMBER:** None

**PACKING GROUP:** None

**PLACARDS:** None

**LABEL:** None

**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

**313 REPORTABLE INGREDIENTS:** Not Listed

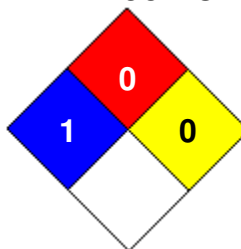
**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Not Listed

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**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

| Chemical Name | CAS       |
|---------------|-----------|
| Nitrogen      | 7727-37-9 |

**CALIFORNIA PROPOSITION 65:** Not Listed**16. OTHER INFORMATION****REASON FOR ISSUE:** New SDS Format**NFPA CODES****GENERAL STATEMENTS: DISCLAIMER AND LIMITATION OF LIABILITY**

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