

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### FORMULATED FOR:

**Pro Solutions**  
**5018 HWY 41 N**  
**Springfield, TN 37172**  
**800-535-4552**

**PRODUCT NAME:** Pro Solutions 18-3-6 with 50% Slow Release Nitrogen  
**CHEMICAL NAME:** Inorganic/Organic Chemical Fertilizer Mixture  
**CHEMICAL FAMILY:** N-P-K Mixed liquid blended fertilizer

**Date of Issue:** 5/5/16

## 2. HAZARDS IDENTIFICATION SUMMARY

**Hazard Classification:** Skin irritant, Category 2  
Eye irritant, Category 2A

**Signal Word:** "WARNING"

**Hazard Statements:**

H315-Causes skin irritation  
H320-Causes eye irritation  
H335-May cause respiratory irritation  
H333-May be harmful if inhaled  
H303-May be harmful if swallowed

**Precautionary Statements:**

(PREVENTION)

P260-Do not breathe mist/vapors/spray  
P264-Wash thoroughly after handling  
P270-Do not eat, drink or smoke when using this product  
P271-Use only outdoors in a well-ventilated area  
P273-Avoid release to the environment  
P280-Wear protective gloves / eye protection / face protection

(RESPONSE)

P301+P312- If swallowed, call a POISON CENTER or doctor if you feel unwell  
P330-Rinse mouth

P302+P352-IF ON SKIN wash with plenty of soap and water

P305+P351+P338-IN IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing

P337+P313-If eye irritation persists, get medical advice / attention

P362+P364-Take off contaminated clothing

**Precautionary Statements, Storage:**

P403+P233-Store in a well-ventilated place. Keep container tightly closed.

P501-Dispose of container in accordance with local regulations



### 3. COMPOSITION, INFORMATION ON INGREDIENTS

N-K (NITROGEN-PHOSPHORUS-POTASSIM) MIXED LIQUID BLENDED FERTILIZERS – No hazardous ingredient exceeds 1% of mixture.

<u>Chemical Ingredients:</u>	<u>Percentage of Weight:</u>	<u>CAS No.</u>
Urea Triazone	51%	7098-14-7
Urea	5.9%	7631-86-9
Potassium Carbonate	3%	584-08-7
TKPP	7%	7320-34-5

### 4. FIRST AID MEASURES

**If in eyes:** Immediately rinse with water for 15 minutes  
**If on skin:** Wash skin with soap and water  
**If swallowed:** Rinse mouth with water and drink large a quantity of water if conscious  
**If inhaled:** Remove product or move person to fresh air

### 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** Aqueous solution, will not burn  
**FLAMMABLE LIMITS (LFL & UFL):** Not applicable  
**EXTINGUISHING MEDIA:** Use foam, CO<sub>2</sub>, dry chemical, or water  
**HAZARDOUS COMBUSTION PRODUCTS:** May include but are not limited to oxides of carbon, oxides of nitrogen, ammonia, oxides of phosphorous  
**SPECIAL FIRE FIGHTING PROCEDURES:** Remove container from fire area

### 6. ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**  
Stop leak, contain spill and absorb with soil or natural absorbents. Sweep up waste and place in container for disposal. Wash down area. Uncontaminated spilled material may be reused.

### 7. HANDLING AND STORAGE

**HANDLING:** Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product.  
**STORAGE:** Store in the original labeled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals. Avoid storage at temperatures of 110F or higher. Corrosive to steel, aluminum, brass. Use with stainless steel or PVC fittings. Product may stain unfinished wood, painted surfaces, or concrete.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Not normally required.  
**RESPIRATORY PROTECTION:** Not normally required.  
**PERSONAL PROTECTIVE EQUIPMENT:** Chemical goggles or shielded safety glasses and rubber or chemical resistant gloves

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Clear liquid with ammonia smell  
**SOLUBILITY:** Appreciable  
**pH:** 9.5  
**SPECIFIC GRAVITY (Water = 1):** 1.21  
**BULK DENSITY:** 10.1 pounds / gallon  
**BOILING POINT:** Not established

VAPOR PRESSURE: Not established

EVAPORATION DATE: Not established

PERCENT VOLATILE (by volume): Not established

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

#### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable for at least 2 years under normal conditions.

**INCOMPATIBILITY:** Urea triazone will precipitate out of solution under acidic conditions and will evolve ammonia in the presence of alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May decompose to release cyanuric acid, ammonia, HCN, NO

**HAZARDOUS POLYMERIZATION:** Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub>(rat):** not established

**Acute Dermal LD<sub>50</sub>(rabbit):** not established

**Eye Irritation (rabbit):** not established

**Skin Irritation (rabbit):** not established

**Inhalation LC<sub>50</sub>(rat):** not established

**Skin Sensitization (guinea pig):** not established

**Carcinogenic Potential:** None listed in OSHA, NTP, IARC, or ACGIH

#### 12. ECOLOGICAL INFORMATION

**Ecotoxicology:** Due to the non-toxic classification of this product no negative impact on wildlife is expected.

**Biodegradation:** Oxidation and microorganisms.

#### 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Contaminated absorbents and surplus product should be buried in accordance with any local legislation.

**Container disposal:** Wash thoroughly with water and soap prior to reuse.

#### 14. TRANSPORT INFORMATION

**DOT Shipping Description:** NOT REGULATED BY USDOT.

**U.S. Surface Freight Classification:** FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 5, CLASS 50)

#### 15. REGULATORY INFORMATION

<b>NFPA &amp; HMIS Hazard Ratings:</b>	NFPA		HMIS
	1 Health	0 Least	1 Health
	0 Flammability	1 Slight	0 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	H PPE
	4 Severe		

**SARA Hazard Notification/Reporting**

**SARA Title III Hazard Category:** Immediate Y Fire N Sudden Release of Pressure N  
Delayed N Reactive N

**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed

**SARA, Title III, Section 313:** Not listed

**RCRA Waste Code:** Not listed

#### 16. OTHER

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