# CO LOGO SAFETY DATA SHEET DOCUMENT #

## * * * Section 1 – Product and Company Identification * * *

**Product Name : RESCUE**
**Product Use : Inorganic Liquid Foliar Fertilizer**
**Synonyms : None**
**Manufacturer/Supplier : Triangle Chemical Company**
**Address : P.O. Box 4528, 206 Lower Elm Street, Macon, GA 31208**
**Technical Information : 478-743-1548**
**Emergency Telephone Number : 800-277-1121**

## * * * Section 2 - Hazards Identification * * *

**Signal word (GHS-US) :** Warning

**Hazard statements (GHS-US) :**
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H320 - Causes eye irritation
H333 - May cause respiratory irritation

**Precautionary statements (GHS-US) :**
P101 - If medical advice is needed, have product label/container at hand
P102 - Keep out of Reach of Children
P103 - Read label before use
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash ... thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a poison center/doctor/… if you feel unwell
P337+P313 - If eye irritation persists: Get medical advice/attention
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/container to ... specify in accordance with local/regional/national regulations

**Other Hazards :** No additional Information
**Unknown Acute Toxicity :** No data available

## * * * Section 3 - Composition / Information on Ingredients * * *

| CAS # | Component | Percent |
|---|---|---|
| **Proprietary** | Blend of plant nutrients, derived from : Ammonium Nitrate, Ammonium Hydroxide, Potassium Nitrate, Potassium Hydroxide, Diammonium Phosphate, Phosphoric Acid, Tripotassium Citrate, Potassium Chloride, Urea and Humic acid as a non-plant food ingredient | **100.00%*** |

**GUARANTEED ANALYSIS**
Total Nitrogen (N) .....7.00%
Ammoniacal Nitrogen ..... 1.31%
Nitrate Nitrogen ..... 0.32%
Urea Nitrogen ..... 5.37%
Available Phosphate (P205).....4.00%
Soluble Potash (K20) .....9.00%

*ingredients without WT% are considered proprietary based on trade secrets

## * * * Section 4 - First Aid Measures * * *

**Description of First Aid Measures**

**First-aid measures general** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation** : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**First-aid measures after skin contact** : Wash with plenty of soap and water. Remove and wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).

**First-aid measures after eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid measures after ingestion** : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**Most important Symptoms both acute and delayed**

**Symptoms/injuries after inhalation** : May cause respiratory irritation.
**Symptoms/injuries after skin contact** : Causes skin irritation.
**Symptoms/injuries after eye contact** : Causes eye irritation.

## * * * Section 5 - Fire Fighting Measures * * *

**Extinguishing media** : Use fire extinguishing media appropriate for surrounding materials. Water spray, foam, dry powder or carbon dioxide.

**Specific Hazards Arising from the from the chemical** : This material is non-combustible. If heated, corrosive and toxic vapors/gasses/mists may be formed. Hazardous combustion products include ammonia and phosphorous oxides.

**Firefighting Instructions**

**Advice for firefighters** : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

**Protection during firefighting** : Do not enter fire area without proper protective equipment, including respiratory protection.

## * * * Section 6 - Accidental Release Measures * * *

**Personal Precautions** : Avoid inhalation of vapors, especially if there is a fire.

**Containment Procedures** : Contain spill. Do not allow material to run into sewers and drains.

**Clean-Up Procedures** : Absorb spill with inert material. Shovel material into appropriate labeled, container for disposal. Flush small residuals to the drain for normal biological treatment.

**Evacuation Procedures** : None required.

**Special hazards arising from the substance or mixture** : This material is non-combustible. If heated, corrosive and toxic vapors. vapors/gases may be formed, which include ammonia, phosphorous oxides.

## * * * Section 7 - Handling and Storage * * *

**Handling Procedures** : Avoid contact with eyes, ski and clothing. Avoid breathing vapors, spray or mists. Ensue here is access to eyewash and showers in the manufacturing area close to the workstation location.

**Storage Procedures** : Keep containers tightly closed. Store in a cool, well ventilated area. Do not freeze. Keep away from heat and direct sunlight.

## * * * Section 8 - Exposure Controls / Personal Protection * * *

**TV/PE** : Not specified

**Appropriate Engineering Control** : While manufacturing this product, general and/or local exhaust should be sufficient.

**Personal Protective Equipment** : Chemical resistant and impervious clothes should be worn. Safety goggles must be worn at all times. Impervious apron and footwear.

**Other Information** : Do not eat, drink or smoke during use. Wash hands after use.

## * * * Section 9 - Physical & Chemical Properties * * *

**Odor/Appearance** : Dark brown liquid, mild vitamin odor.

**Flash Point, $^0$F** : Not applicable.

**Boiling Point, $^0$F** : >212$^0$ F.

**Melting point (freezing point) 0F** : <34$^0$F

**Vapor Pressure, mm Hg @ 200$^0$C** : No information found.

**Vapor Density** : No information found.

**Solubility in water** : 100%

**Density** : 1.37

**Evaporation Rate (butyl acetate=1)** : Not determined.

**Octanol/Water Partition Coefficient** : Not determined

**pH** : 4.5-5.5

**Flammable Limits (approx. volume % in air)** : Not applicable.

**Auto-Ignition Temperature** : Not applicable.
**Decomposition temperature** : >200$^0$C

## * * * Section 10 - Chemical Stability & Reactivity Information * * *

**Reactivity** : None.
**Chemical Stability** : None.
**Hazardous Decomposition Product** : Ammonia gas and phosphorous oxides may be produced under fire conditions.
**Hazardous Polymerization** : Will not occur
**Conditions to Avoid** : None known.
**Incompatible Materials** : Strong bases. Strong acids

## * * * Section 11 - Toxicological Information * * *

**Acute Toxicity** : **Harmful if swallowed.**
**Component Derivation Toxicity**
**Ammonium Nitrate** : Cas # 6484-52-2; Oral Toxicity - $LD_{50;}$ rat: 2,800mg/kg; Dermal – 5000mg/kg.
**Ammonium Hydroxide** : Cas # 7664-41-7; Oral Toxicity-$LD_{50}$, rat: >350mg/kg; 90 ml/kg.
**Potassium Nitrate** : Cas # 7757-79-1; Oral Toxicity-$LD_{50}$, rabbit: 1951mg/kg.
**Potassium Hydroxide** : Cas # 1310-58-3; Oral Toxicity-$LD_{50}$ rat: 250mg/kg, rat.
**Diammonium Phosphate** : Cas # 7783-28-0; Oral Toxicity-LD50 rat: >2000mg/kg; Dermal: >5000mg/kg.
**Phosphoric acid** : Cas # 7664-38-2; Oral toxicity-LD50rat: 1530; Dermal: 2750, rabbit.
**Tri/potassium chloride** : Cas # 7447-40-7; Oral toxicity-2600mg/kg, rat.
**Urea** : Cas # 57-13-6; Oral toxicity-LD50 rat: 8751mg/kg.
**Humic acid** : Cas # 1415-93-6; Oral toxicity-rat: >5000mg/kg; Dermal: >2000, rabbit.

**Likely Routes of Entry** : Skin, eyes, inhalation
**Skin Irritation** : Slighty Irritating
**Eye Irritation** : Not available, suspect mild to minimally irritating.
**Skin Sensitization** : Not available, suspect mild irritation.
**Carcinogenic** : None currently known.
**Chronic Effects** : None currently known.
**Other Hazards** : None currently known.

## * * * Section 12 - Ecological Information * * *

**Ecotoxicity** : No data available
**Persistence and Degrability** : No data available
**Bioaccumulative Potential** : No data available
**Mobility in Soil** : No data available
**Other Adverse Effect** : Keep out of waterways.

## * * * Section 13 - Disposal Considerations * * *

**Waste Disposal Methods :** Any waste or cleaned up spill must absorbed and/or placed into a Labeled container and disposed of according to Federal, State or Local procedures under the Resource Conservation Act.

## * * * Section 14 - Transportation Information * * *

**UN Proper Shipping Name :** Not regulated by DOT, IATA, IMDG
**Transport Hazard Class :** None
**UN Identification Number :** None
**Packaging Group :** None
**Environmental Hazards :** None
**Transport in Bulk :** None
**Transportation Freight Classification :** Fertilizing Compound, (Manufactured Fertilizer), NOIBN; LIQUID (NMFC Item 68140, Sub 6, Class 70)

## * * * Section 15 - Regulatory Information * * *

**National Fire Protection Association (NFPA) Rating : Health: 1 Fire 0 Reactivity 0**
**NFPA Rating Level : 0-Minimum; 1-Slight; 2- Moderate; 3-High 3 High; 4-Extreme**

**S.A.R.A. Title III Hazard Classification (Yes/No) :**
Immediate (Acute) Health : Y
Delayed (Chronic) Health : N
Sudden Release of Pressure
Fire : N
Reactive : N

**U.S. –New Jersey-Right to Know Hazardous Substance List :** Potassium Nitrate: (7757-79-1)

## * * * Section 16 - Other Information * * *

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

**MSDS History**
This is the original SDS/GHS format This is the end of SDS ID: