



# MATERIAL SAFETY DATA SHEET #1016

15885 Sprague Road, Strongsville, OH 44136-1799

**Emergency Phone:** LESCO: (800) 321-5325**CHEMTREC:** (800) 424-9300**DATE ISSUED:** 2/15/01**SUPERSEDES:** 3/30/00**I. PRODUCT IDENTIFICATION****Product:** Green Flo Liquid Fertilizer / LESCO Liquid Fertilizer**Chemical Family:** Inorganic Salts**Chemical Name/Synonyms:** None**II. PRODUCT INFORMATION: INGREDIENTS**

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Urea	NA	0 - 50	57-13-6
Urea-Triazone Solution	NA	0 - 50	NA*
Tetrapotassium Pyrophosphate	NA	0 - 50	7329-34-5
Potassium Thiosulfate	NA	0 - 10	10294-66-3
HEDTA Chelated Iron	NA	0 - 3	NA
Water	NA	0 - 50	7732-18-5

See product label for exact composition.

\*CAS # for Triazone is 7098-14-8.

**III. PHYSICAL AND CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b> 215 - 220 °F (effervesces @ 200 °F)	<b>Specific Gravity (water = 1):</b> 1.26 - 1.29 (60 °F)
<b>Melting Point:</b> Salts out @ <0 °C	<b>Bulk Density (lb/cu. ft.):</b> NA
<b>Vapor Pressure (mm Hg):</b> ND	<b>Evaporation Rate:</b> ND
<b>Vapor Density (air = 1):</b> ND	<b>Percent Volatile:</b> ND
<b>Solubility in Water:</b> Complete	<b>Appearance and Odor:</b> clear, colorless to light
<b>pH:</b> 9.0 - 10.5 blue-green liquid with slight amine odor.	

**IV. FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (method Used):</b> NA	<b>Auto Ignition Temperature:</b> NA
<b>Lower Explosion Limits:</b> NA	<b>Upper Explosion Limits:</b> NA
<b>NFPA/HMIS RATING:</b> HEALTH 0	<b>FIRE</b> 0
<b>Extinguishing Media:</b> [X] Foam	[X] Alcohol Foam
[X] Water Spray	[X] Dry Chemical
	[X] CO <sub>2</sub>

**Special Fire-Fighting Procedures:** Wear NIOSH approved positive pressure, self-contained breathing apparatus. Foam system is preferred because uncontrolled water can spread possible contamination. Prevent run-off from entering drains, sewers or bodies of water.

**Unusual Fire and Explosion Hazards:** Containers exposed to fire may rupture violently. Use water spray to keep exposed containers cool.

**V. HEALTH HAZARDS****Primary Route(s) of Entry:** Skin, eyes, inhalation, ingestion.**Signs & Symptoms of Exposure**

**Acute:** Eye contact with product solution or spray mist will cause irritation or burning sensation. Prolonged or repeated contact may cause skin irritation. Inhalation of spray mist may irritate the respiratory tract. Ingestion may irritate the gastrointestinal tract; however, product is considered to have low mammalian toxicity.

**Chronic:** None known.

**Emergency First-Aid Procedures**

**Eyes:** Immediately flush eyes with large quantities of water for at least 15 minutes. Hold eyelids apart during rinsing to ensure thorough flushing of eye and eyelids with water. Get medical attention if irritation develops.

**Skin:** Remove any contaminated clothing. Flush affected area with mild soap and water. Get medical assistance if irritation develops. Launder contaminated clothing before reuse.

**Inhalation:** Remove to fresh air.

**Ingestion:** If victim is conscious, give 2-3 glasses of water to drink and induce vomiting by touching back of

throat with finger. Get immediate medical attention.

**Notes to Physician:** No specific antidote. Treat symptomatically.

**Toxicity Information:** Persons with existing skin lesions should use care when using this product.

**Oral LD<sub>50</sub>:** NA      **Dermal LD<sub>50</sub>:** NA

**Inhalation LC<sub>50</sub>:** (rat): NA

**Eye Irritation:** NA

**Skin Irritation:** NA

**Positive Teratogen or Mutagen Carcinogen(NTP):** No

**Potential Carcinogen (IARC or OSHA):** No

## VI. REACTIVITY

**Stability:**       Stable     Unstable

**Conditions to Avoid:** Avoid storage temperatures above 125 °F for short periods or above 105 °F for extended periods.

**Incompatibility:** Strong acidic materials. Avoid any material which may reduce the pH below 8.0 if prolonged storage is to follow.

**Hazardous Decomposition Products:** Ammonia, carbon monoxide, carbon dioxide.

**Hazardous Polymerization:**  Will not occur     Will occur

## VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

**If material is spilled:** Wear protective equipment. A plant food. Do not allow product to contaminate drains, sewers, streams, ditches or bodies of water. Absorb spill on inert material such as clay, vermiculite or kitty litter. Place absorbed material into labeled container for proper disposal.

**Waste Disposal Method:** Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery act (RCRA) and follow state and local guidelines. Triple rinse and puncture containers as required.

## VIII. SPECIAL PROTECTION INFORMATION

**Protective Equipment Suggested for Outdoor Application:**

Impervious Gloves     Dust Mask       Respirator(use NIOSH/MSHA approved)

Impervious Boots     Clean Clothing       Eye Goggles / Safety Glasses

**Protective Equipment Suggested for Confined Areas:**

Sufficient Ventilation     Respirator(use NIOSH/MSHA approved)

Dust Mask       Splash Goggles/Safety Glasses

Eyewash Station     Emergency Shower     Impervious Apron

## IX. STORAGE AND HANDLING

**Precautions:** Store in a cool, dry place, out of reach of children and animals.

**Other Precautions:** Practice good care and good safety precautions when handling this product. Avoid contact with eye, skin and clothing. Wash thoroughly after handling.

## X. FEDERAL REGULATORY INFORMATION:

**SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES**

N Immediate (acute Health)

N Delayed (Chronic) Health

N Fire

N Sudden Release of Pressure

N Reactivity

**SEC 302**

TPQ=NA

NA = Not Applicable

**SEC 313**

NA

ND = Not Determined

**CERCLA**

RQ=NA

**D.O.T. SHIPPING INFORMATION**

**PROPER SHIPPING NAME:** Not regulated.

**HAZARD CLASS:** NA

**I.D. NUMBER:** NA

**HAZMAT NUMBER:** NA

**CAA**

RQ=NA

**EPA Reg. No.**

NA

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