



# MATERIAL SAFETY DATA SHEET #1034

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SUPERSEDES: 3/6/00

## I. PRODUCT IDENTIFICATION

**Product:** LESCO MacroN Fertilizers, Water Soluble Fertilizer      **Chemical Family:** Inorganic Salts  
**Chemical Name/Synonyms:** 20-20-20, 28-7-14, 16-32-16, 23-0-23, Dry water soluble fertilizer

## II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	CAS#
Check specific product label for contents:		
Ammoniated Phosphate	15 mg/M <sup>3</sup> total dust PEL 10 mg/M <sup>3</sup> total dust TLV 5 mg/M <sup>3</sup> total resp dust	7722-76-1
Potassium Nitrate	N/A	7757-79-1
Urea	15 mg/M <sup>3</sup> total (dust)	57-13-6
Sodium Ferric EDTA	N/A	15708-41-5
Zinc EDTA	N/A	15954-98-0
Copper EDTA	N/A	14025-15-1
Manganese EDTA	5.00 mg Mn/m <sup>3</sup>	55448-20-9
Sodium Borate	10.00 mg B <sub>2</sub> O <sub>3</sub> /m <sup>3</sup>	11130-12-4
Sodium Molybdate	5.00 mg Mo/m <sup>3</sup>	7631-95-0

See product label for specific ingredients.

## III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point:	NA	Specific Gravity (water = 1):	NA
Melting Point:	ND	Bulk Density (lbs./cu. ft.):	55-65
Vapor Pressure (mm Hg):	NA	Evaporation Rate:	NA
Vapor Density (air = 1):	NA	Percent Volatile:	Minimal
Solubility in Water:	Complete	Appearance and Odor:	Dry colored crystal
pH:	ND powder, slight ammonia odor.		

## IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method Used):	NA (non-flammable)	Auto Ignition Temperature:	NA
Lower Explosion Limits:	NA	Upper Explosion Limits:	NA
NFPA/HMIS RATING:	HEALTH 1	FIRE 0	REACTIVITY 1
Extinguishing Media:	[X] Foam [X] Water Spray	[ ] Alcohol Foam [ ] Other	[X] Dry Chemical [X] CO <sub>2</sub>

Use media for surrounding fire.

**Special Fire-Fighting Procedures:** Wear NIOSH approved positive pressure, self-contained breathing apparatus and protective clothing.. 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:** Toxic irritating gases may be formed under fire conditions, including metallic oxides and ammonia fumes.

## V. HEALTH HAZARDS

**Primary Route(s) of Entry:** Skin, eyes, inhalation, ingestion.

**Signs & Symptoms of Exposure**

**Acute:** Irritation of skin and eyes. Inhalation can cause irritation of mucous membranes, coughing and breathing difficulty. Ingestion may cause nausea, vomiting, stomach pain, gastric disorder, diarrhea and shock. **Chronic:** Can cause damage to respiration system, urinary system, blood system and reproductive system.

**Emergency First-Aid Procedures**

**Eyes:** Flush with water for 15 minutes. Contact a physician if irritation persists.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Contact a physician if irritation persists.

**Inhalation:** Remove to fresh air.

**Ingestion:** Call a physician and seek medical attention immediately.

**Toxicity Information:** **Eye Irritation:** Irritant

**Skin Irritation:** Slight to moderate.

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

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

## VI. REACTIVITY

**Stability:**  Stable  Unstable

**Conditions to Avoid:** None known.

**Incompatibility:** None known.

**Hazardous Decomposition Products:** Combustion may generate metallic oxides and ammonia fumes.

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

## VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

**If material is spilled:** Wear NIOSH/OSHA approved dust respirator. Sweep, vacuum or shovel material into a container for reuse or disposal. Do not allow product to contaminate drains, sewers, streams, ditches or bodies of water. Prevent large quantities from contacting vegetation. Keep animals away from large spills.

**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) OR  Dust Mask  
 Splash Goggles/Safety Glasses  
 Eyewash Station  Emergency Shower  Impervious Apron

## IX. STORAGE AND HANDLING

**Precautions:** Store in a cool, dry place if possible. Separate from other pesticides, fertilizers, seed, feed, foodstuffs, and away from drains, sewers, and water sources.

**Other Precautions:** Keep out of reach of children. Practice good care and good safety precautions when handling this product. Avoid contact with eye, skin and clothing. Avoid breathing dust. Store in temperature below 100° F(38° C). Do not swallow. Wash thoroughly after handling.

## X. FEDERAL REGULATORY INFORMATION:

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

<u>Y</u> Immediate (acute) Health	SEC 302: NA
<u>N</u> Delayed (Chronic) Health	SEC 304: NA
<u>N</u> Fire	SEC 313: NA
<u>N</u> Sudden Release of Pressure	CERCLA: NA
<u>N</u> Reactivity	CAA: NA

EPA Reg. No. N/A

**HM 181 D.O.T. PROPER SHIPPING NAME: ORM-D**

**Small Quantity Exemption 49 CFR 173.152 (b)**

NA = Not Applicable ND = Not Determined

Preparation and distribution of this Material Safety Data Sheet done by LESCO, Inc., 20005 Lake Road, Rocky River, Ohio 44116, pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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For further information, contact: LESCO, Inc., • 20005 Lake Road • Rocky River, Ohio 44116 or (440) 333-9250.

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