



MATERIAL SAFETY DATA SHEET #1034

15885 Sprague Road, Strongsville, OH 44136-1799

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CHEMTREC: (800) 424-9300

ISSUED: 12/19/01

SUPERSEDES: 10/31/01

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	%(by wt.)	CAS#
Formulated with one or more of the following ingredients. Check specific product label.			
Ammoniated Phosphate	15 mg/M ³ total dust PEL 10 mg/M ³ total dust TLV 5 mg/M ³ total resp dust	0 - 50	7722-76-1
Potassium Sulfate	10 mg/M ³	0 - 50	7778-80-5
Ammonium Nitrate Phosphate	Not Established	0 - 50	57608-40-9
Ammonium Sulfate	15 mg/M ³ (dust)	0 - 50	7783-20-2
Potassium Nitrate	N/A	0 - 50	7757-79-1
Urea	15 mg/M ³ total (dust)	0 - 50	57-13-6
Sodium Ferric EDTA	N/A	0 - 10	15708-41-5
Iron Oxide	15 mg/M ³ (dust)	0 - 10	1309-37-1
Zinc EDTA	N/A	0 - 10	15954-98-0
Copper EDTA	N/A	0 - 10	14025-15-1
Manganese EDTA	5.00 mg Mn/m ³	0 - 10	15375-84-5
Sodium Borate	10.00 mg B ₂ O ₃ /m ³	0 - 10	11130-12-4
Sodium Molybdate	5.00 mg Mo/m ³	0 - 10	7631-95-0

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point:	Not Applicable	Specific Gravity (water = 1):	Not Applicable
Melting Point:	Not Determined	Bulk Density (lbs./cu. ft.):	55-65
Vapor Pressure (mm Hg):	Not Applicable	Evaporation Rate:	Not Applicable
Vapor Density (air = 1):	Not Applicable	Percent Volatile:	Minimal
Solubility in Water:	Complete	Appearance and Odor:	Dry colored crystal powder, slight ammonia odor
pH:	Not Determined		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method Used):	Not Applicable	Auto Ignition Temperature:	Not Applicable
Lower Explosion Limits:	Not Applicable	Upper Explosion Limits:	Not Applicable
NFPA/HMIS RATING:	HEALTH 1	FIRE 0	REACTIVITY 1
Extinguishing Media:	[X] Foam [X] Water Spray	[] Alcohol Foam [] Other	[X] Dry Chemical [X] CO ₂

Special Fire-Fighting Procedures: Use extinguishing agent suitable for type of surrounding fire. Material itself burns with difficulty. Exposed firefighters should wear personal protective equipment appropriate for protection from the surrounding fire.

Unusual Fire and Explosion Hazards: Not Applicable

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.

Emergency First-Aid Procedures

Eyes: Flush with large amount of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

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

Inhalation: If symptoms develop, remove person from source of exposure to fresh air. If respiratory symptoms persist, get medical attention.

Ingestion: Get medical attention for substantial ingestion or if symptoms develop.

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. Where possible, use vacuum suction to clean up spilled material. Use dust suppressant where sweeping is necessary. Avoid clean up procedures that may result in water pollution. Personal safety and exposure recommendations described elsewhere in this data sheet apply to exposure during clean up of spilled material.

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. Minimize dust generation during handling and contact. Avoid inhalation of dust.

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

Y Immediate (Acute) Health

N Delayed (Chronic) Health

N Fire

N Sudden Release of Pressure

N Reactivity

SEC 302: Not Applicable

SEC 304: Not Applicable

SEC 313: Not Applicable

CERCLA: Not Applicable

CAA: Not Applicable

EPA Reg. No.: Not Applicable

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., 15885 Sprague Road, Strongsville, Ohio 44136-1799, pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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For further information, contact: LESCO, Inc., • 15885 Sprague Road, Strongsville, Ohio 44136-1799 or (800) 321-5325.

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