



MATERIAL SAFETY DATA SHEET #1034

20005 Lake Road, Rocky River, OH 44116
Emergency Phone: LESCO: (440) 333-9250

DATE ISSUED: 3/30/00
SUPERSEDES: 3/6/00

CHEMTREC: (800) 424-9300

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 ³ total dust PEL 10 mg/M ³ total dust TLV 5 mg/M ³ total resp dust	7722-76-1
Potassium Nitrate	N/A	7757-79-1
Urea	15 mg/M ³ 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 ³	55448-20-9
Sodium Borate	10.00 mg B ₂ O ₃ /m ³	11130-12-4
Sodium Molybdate	5.00 mg Mo/m ³	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:	NDpowder, 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:	<input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Alcohol Foam <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Dry Chemical <input checked="" type="checkbox"/> CO ₂

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

Y Immediate (acute) Health

SEC 302: NA

N Delayed (Chronic) Health

SEC 304: NA

N Fire

SEC 313: NA

N Sudden Release of Pressure

CERCLA: NA

N 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).

The information contained herein is based on available data. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof; and you should make your investigation to determine safety for the use you contemplate. LESCO, Inc. makes no warranty of merchantability of fitness for a particular use, nor is there any other express or implied warranty except as may be specifically provided otherwise on product. LESCO, Inc. assumes no responsibility or liability for any incidental or consequential damages whether related to personal injury or property damage, to vendees, users or third parties, caused by the material; and LESCO, Inc.'s responsibility is limited to replacement of, or repayment of, the purchase price for the material(s) with respect to which any damages are claimed. All vendees or users assume all risk associated with the use of the material(s).

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