



# MATERIAL SAFETY DATA SHEET #4303

15885 Sprague Road, Strongsville, OH 44136-1799  
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**CHEMTREC:** (800) 424-9300

**DATE ISSUED:** 06/25/01  
**SUPERSEDES:** 11/15/00

## I. PRODUCT IDENTIFICATION

**Product:** LESCO Weed and Feed, LESCO Scenic Green™ Weed & Feed **Chemical Family:** Phenoxy Herbicide  
**Chemical Name/Synonyms:** 2,4-D; MCPP; and 2,4-DP

## II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Dimethylamine Salts of 2,4-Dichlorophenoxyacetic Acid 2-(2-Methyl-4-Chlorophenoxy) Propionic Acid	10 mg/m <sup>3</sup>	0.56%	2008-39-1
2-(2,4-Dichlorophenoxy) Propionic Acid	None	0.29%	32351-70-5
Inert Ingredients	None	0.29%	NA
		98.86%	Various

Formulated with one or more of the following ingredients. Check specific product label.

Urea	10 mg/M <sup>3</sup> (dust) 5 mg/M <sup>3</sup> (resp)	0-95	57-13-6
Potassium Chloride	10 mg/M <sup>3</sup>	0-95	7447-40-7
Potassium Sulfate	10 mg/M <sup>3</sup>	0-95	7778-80-5
Monoammonium Phosphate	15 mg/M <sup>3</sup> (dust) 5 mg/M <sup>3</sup> TLV	0-95	7722-76-1
Diammonium Phosphate	15 mg/M <sup>3</sup> (dust) 5 mg/M <sup>3</sup> (resp)	0-95	7783-28-0
Ammonium Sulfate	15 mg/M <sup>3</sup> (dust)	0-95	7783-20-2
Calcium Carbonate	ND	0-95	1317-65-3
Sulfur	5 ppm(SO <sub>2</sub> )	0-20	7704-39-9
Iron Oxide	15 mg/M <sup>3</sup> (dust)	0-10	1309-37-1
Iron Sulfate	15 mg/M <sup>3</sup> (dust)	0-10	7728-78-7
Manganese Oxide	15 mg/M <sup>3</sup> (dust)	0-10	1317-35-7
Magnesium Sulfate	15 mg/M <sup>3</sup> (dust)	0-10	7478-88-9

## III. PHYSICAL AND CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b>	NA	<b>Specific Gravity (water=1):</b>	NA
<b>Melting Point:</b>	NA	<b>Bulk Density (lbs./cu. ft.):</b>	55-65
<b>Vapor Pressure (mm Hg):</b>	NA	<b>Evaporation Rate:</b>	NA
<b>Vapor Density (air = 1):</b>	NA	<b>Percent Volatile:</b>	ND
<b>Solubility in Water:</b>	100%	<b>Appearance and Odor:</b>	Blend of reddish/brown gray/white granules. Salt type/slight Ammoniacal odor.
<b>pH:</b>	NA		

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**IV. FIRE AND EXPLOSION HAZARD DATA**


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**Flash Point (method Used):** >500° F      **Auto Ignition Temperature:** ND  
**Lower Explosion Limits:** NA      **Upper Explosion Limits:** NA

**Extinguishing Media:**  Foam       Alcohol Foam       Dry Chemical  
 Water Spray       Other       CO<sub>2</sub>

**Special Fire-Fighting Procedures:** This product is not likely to burn/flash. This product does not contain Ammonium Nitrate. Use self-contained breathing apparatus as protection against basic smoke hazard.

**Unusual Fire and Explosion Hazards:** Keep away from heat and open flame. Remove containers from fire area. Paper bags may burn; plastic melt. Contains no explosive ingredients.

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**V. HEALTH HAZARDS**


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

**Signs & Symptoms of Exposure**

**Acute:** Swallowing: May cause nausea, vomiting, abdominal pains, myotonia, muscle weakness and fall in blood pressure.

**Eyes:** Eye contact. Vapors or spray mists are irritating to the eyes.

**Skin:** May be irritating to the skin.

**Chronic:** Repeated overexposure to 2,4-D herbicides may cause liver, kidney, gastrointestinal and muscular effects. Rare cases of peripheral nerve damage have been reported but extensive animal studies have failed to substantiate these observations, even at high doses for prolonged periods.

**Emergency First-Aid Procedures**

**Eyes:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

**Skin:** Remove contaminated clothing and immediately wash with plenty of soap and water.

**Inhalation:** Remove victim to fresh air. If not breathing, administer cardiopulmonary resuscitation or artificial respiration. If breathing is difficult, administer oxygen.

**Ingestion:** Give 2-3 glasses of water and get medical attention. Induce vomiting by touching the back of the throat with finger. Do not induce vomiting for an unconscious person. PRECAUTION: To prevent aspiration of swallowed product, lay patient on side with head lower than waist.

**Notes to Physician:** No specific antidote is available.

Treat symptomatically. Overexposure to materials other than this product may have occurred.

This product contains two phenoxy herbicide chemicals. Mycotoxic effects may include muscle fibrillations, myotonia and muscular weakness. Ingestion of massive doses may result in persistent fall of blood pressure. Myoglobin and hemoglobin may be found in the urine. Elevations in lactate dehydrogenase (LDH), SGOT, SGPT and aldolase indicate the extent of muscle damage. It has been suggested that overexposure in humans may affect both the central and peripheral nervous systems. The acute effects on the central nervous system resemble those produced by alcohol or sedative drugs. In isolated cases, peripheral neuropathy and reduced nerve conduct velocities have been reported although these observations may be related to other factors.

Gas-liquid chromatography for detecting and measuring chlorophenoxy compounds in blood and urine may be useful in confirming and assessing the magnitude of chlorophenoxy absorption.

**Medical Conditions Aggravated by Exposure:** Skin irritation may be aggravated in persons with existing skin lesions.

Breathing of dust may aggravate asthma and inflammatory or fibrotic pulmonary disease.

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

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

**SAP(EPA):** Class D(not classifiable a human carcinogenicity)

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**VI. REACTIVITY**


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**Stability:**  Stable       Unstable

**Conditions to Avoid:** Keep product dry since moisture will harden product and render product unusable.

**Incompatibility:** None.

**Hazardous Decomposition Products:** Ammonia, Biuret, Carbon Dioxide, Carbon Monoxide, Carbon Disulfide, Hydrogen Chloride, Hydrogen Sulfide, Carbon Monoxide and Aldehydes may be produced upon decomposition. Noxious fumes are formed under fire conditions. Urea also decomposes to biuret and cyanuric acid. Urea reacts with sodium calcium, or hypochlorite to form explosive nitrogen trichloride.

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

**VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

**If material is spilled:** Sweep and recover as much spilled material as possible. Place into suitable drums and remove to an appropriate site for disposal or reuse. Wear appropriate personal protective equipment during cleanup activities. Do not allow product to contaminate drains, sewers, streams, ditches or bodies of water. Ensure adequate decontamination of tools and equipment following cleanup.  
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. Be certain containers are completely empty before disposal.

**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 original container and keep bags containing unused product in locked storage area inaccessible to children and domestic animals. Do not store near other feed or food stuffs.

**Other Precautions:** Do not store near food, feedstuffs, fertilizers or seed. Do not contaminate water, food or feed by storage or disposal. Keep away from heat, sparks, open flame and other ignition sources.

**FEDERAL REGULATORY INFORMATION:**

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

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|-------------------------------------|--------------------|
| <u>Y</u> Immediate (acute) Health   | SEC 302: NA        |
| <u>Y</u> Delayed (Chronic) Health   | SEC 304: NA        |
| <u>N</u> Fire                       | SEC 313: NA        |
| <u>N</u> Sudden Release of Pressure | CERCLA RQ: 100 lbs |
| <u>N</u> Reactivity                 | CAA RQ: 1 lb(2-4D) |

EPA Reg. No.: 228-281-10404

HM 181 Shipping Name: Not Regulated.

NA = Not Applicable    ND = Not Determined

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