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I. PRODUCT IDENTIFICATION

PRODUCT NAME:

LESCO® Professional Control Product Dimension (0.07%, 0.10%, 0.15%, 0.21%) plus Fertilizer;
 LESCO® Scenic Green™ Crabgrass Pre-emergent + Lawn Fertilizer;
 LESCO® Dimension (0.21%) Plus Fertilizer;
 LESCO® Dimension Crabgrass Pre-Emergent Plus Fertilizer
 Treeland Dimension 0.10% Plus Fertilizer;
 Best Greening Systems Crabgrass Pre-Emergent Plus Fertilizer;

Chemical Family: Fertilizer with Herbicide

Chemical Name/Synonyms: Dithiopyr; Dimension

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6(trifluoromethyl)-S,S-dimethyl ester	0.07 – 0.21	97886-45-8	Not Established
Formulated with one or more of the following ingredients. Check specific product label.			
Urea	0 – 95	57-13-6	10 mg/M ³ (dust) 5 mg/M ³ (resp)
Potassium Sulfate	0 – 95	7778-80-5	10 mg/M ³
Calcium Carbonate	0 – 95	1317-65-3	15 mg/M ³ (dust)
Methylene Urea	0 – 60	9011-05-6	5 mg/M ³ (resp) 5 mg/M ³ (dust)
Monoammonium Phosphate	0 – 60	7722-76-1	15 mg/M ³ (dust) 5 mg/M ³ TLV
Diammonium Phosphate	0 – 50	7783-28-0	15 mg/M ³ (dust) 5 mg/M ³ (resp)
Sodium bentonite	0 – 50	1302-78-9	15 mg/M ³ (dust)
Potassium Chloride	0 – 20	7447-40-7	10 mg/M ³ (dust)
Ammonium Sulfate	0 – 20	7783-20-2	15 mg/M ³ (dust)
Iron (Ferrous) Sulfate	0 – 20	7720-78-7	15 mg/M ³ (dust)
Manganese Oxide	0 – 20	1317-35-7	15 mg/M ³ (dust)
Magnesium Oxide	0 – 20	1309-48-4	15 mg/M ³ (dust)
Potassium Nitrate	0 – 20	7757-79-1	Not Established
Iron (Ferric) Oxide	0 – 10	1309-37-1	15 mg/M ³ (dust)
Iron (Ferrous) Oxide	0 – 10	8047-67-4	Not Applicable
Magnesium Sulfate	0 – 10	7478-88-9	15 mg/M ³ (dust)
Sulfate of Potash-Magnesia	0 – 10	14977-37-8	NE
Magnesium Carbonate	0 – 10	39409-82-0	15 mg/M ³ (dust)
Sulfur	0 – 5	7704-34-9	5 ppm (SO ₂)
Manganese Compounds	0 – 5	7439-96-5	.5 mg/M ³ (dust)
Sodium Chloride	0 – 5	7647-14-5	10 mg/M ³ (dust)
Biosolids	0 – 25	NA	NE

Substances not 'Hazardous' per OSHA Hazard Communication Standard (29 CFR 1910.1200) may be listed. Where proprietary ingredient shows, the identify may be made available as provided in this standard

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Primary Route(s) of Entry: Eyes, Skin, Inhalation, Ingestion
POTENTIAL HEALTH EFFECTS: Causes eye irritation. Harmful if inhaled. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Ingestion of large amounts may cause gastrointestinal disorder, nausea, vomiting and/or diarrhea.
EYE: Causes eye irritation.
SKIN: May cause skin irritation.
INHALATION: Overexposure to dusts may cause mucous membrane and upper respiratory irritation and possible lung changes.
INGESTION: Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.
MEDICAL CONDITIONS AGGRAVATED: Skin sensitization in susceptible individuals.
POTENTIAL ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated turf may be hazardous to aquatic organisms in adjacent areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area. Drift or runoff may adversely affect non-target plants.

IV. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.
INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
NOTES TO MEDICAL DOCTOR: Treat symptomatically.

V. FIRE FIGHTING MEASURES

Flash Point (Method Used): NA	Auto Ignition Temperature: No Data
Lower Explosion Limits: No Data	Upper Explosion Limits: No Data
NFPA/HMIS Rating: Health: 1	Fire: 0 Reactivity: 0
EXTINGUISHING MEDIA: <input checked="" type="checkbox"/> Foam	<input type="checkbox"/> Alcohol Foam <input checked="" type="checkbox"/> Dry Chemical
<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Other <input checked="" type="checkbox"/> CO ₂

EXPLOSION HAZARDS: Dusts may form explosive mixtures with air.
FIRE FIGHTING PROCEDURES: Use extinguishing agent suitable for type of surrounding fire. Exposed firefighters should wear personnel protective equipment appropriate for protection from the surrounding fire. Prevent water run-off from entering drains, sewers, or water sources. Fertilizer will become slippery when wet. Avoid breathing dusts, vapors and fumes from burning materials.
HAZARDOUS COMBUSTION PRODUCTS: May include, but are not limited to, oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia, oxides of phosphorus, oxides of sulfur, hydrogen sulfide.

VI. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: Sweep or shovel dry spills immediately into a container for reuse per label instructions or disposal. Avoid breathing dusts. Avoid contact with eyes, skin and clothing. Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

VII. HANDLING AND STORAGE

GENERAL PROCEDURES: Store this product only in its original container in a dry, cool, secure storage area. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Keep away from drains, sewers, and water sources. Wash thoroughly with soap and water after handling.

OTHER PRECAUTIONS: Keep away from fire, sparks, or other ignition sources

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust to reduce all dusts.

PERSONAL PROTECTION EQUIPMENT:

EYES AND FACE: Goggles or safety glasses

RESPIRATORY: Use NIOSH approved respirator in confined areas.

GLOVES: Impervious gloves

PROTECTIVE CLOTHING: Long sleeved shirt and long pants; shoes and socks

WORK HYGENIC PRACTICES: Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE as soon as possible after handling this product and launder separately before reuse. Promptly and thoroughly wash hands and exposed skin with soap and water.

COMMENTS: Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: NA

MELTING POINT: 133°C (urea)

VAPOR DENSITY (air = 1): NA

ODOR: Slight ammonia/sulfur odor

APPEARANCE: Multi-colored granules

pH: NA

SPECIFIC GRAVITY: NA

EVAPORATION RATE: NA

VAPOR PRESSURE: NA

SOLUBILITY IN WATER: Disperses

PERCENT VOLATILE: NA

BULK DENSITY (lbs./cu ft): 45 – 65

X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat, open flame, other ignition sources

STABILITY: Stable

POLYMERIZATION: Will not occur

INCOMPATIBLE MATERIALS: Strong oxidizers or strong alkalies

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen and sulfur. Urea also decomposes to biuret and cyanuric acid.

XI. TOXICOLOGICAL INFORMATION

EYE EFFECTS: No Data

SKIN EFFECTS: No Data

DERMAL LC₅₀: No Data

ORAL LD₅₀: No Data

INHALATION LC₅₀: No Data

SENSITIZATION: Not a sensitizer

ACUTE EFFECTS FROM OVEREXPOSURE: Causes eye irritation. May cause skin irritation.

CHRONIC EFFECTS FROM OVEREXPOSURE: No Data

CARCINOGENICITY:

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

OTHER: Not Listed

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff from treated turf may be hazardous to aquatic organisms in adjacent areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area. Drift or runoff may adversely affect non-target plants.

ECOTOXICOLOGICAL INFORMATION: No Data

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Product Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

Container Disposal: Do not reuse bag. Completely empty bag into application equipment. Dispose of emptied bag(s) in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

XIV. TRANSPORTATION INFORMATION:

DOT Transportation: Not Regulated

Proper Shipping Name: NA

Hazard Class: NA

U.S. Surface Freight Class: Fertilizing Compounds, NOI, Dry

Reportable Quantity (RQ): NA

ID NO.: NA

Marine Pollution #1: NA

HM 181 Shipping Name: NA

XV. REGULATORY INFORMATION – UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

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 RQ: NA

N **Reactivity**

CAA RQ: NA

EPA Registration No.: 10404-84; 10404-85; 10404-86; 10404-87;

NOTE: NA=Not Applicable; ND=Not Determined; NE=Not Established

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