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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, Treeland Dimension 0.10% 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)
Aminoureaformaldehyde	0 – 60	229157-37-3	5 mg/M ³ (resp)
Methylene Urea	0 – 60	9011-05-6	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	Not Established
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)

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Primary Route(s) of Entry: Eyes, Skin, Inhalation, Ingestion

POTENTIAL HEALTH EFFECTS: Inhalation of dust may be harmful. Direct contact causes slight eye irritation. Prolonged or repeated contact may cause mild skin irritation. Ingestion of large amount may cause gastrointestinal disorder, nausea, vomiting and/or diarrhea. Prolonged or repeated overexposure to the active ingredient in this material could cause kidney, liver, and blood effects, thyroid damage, adrenal effects.

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 and highly toxic to other aquatic organisms, including oysters and shrimp. Drift or runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

IV. FIRST AID MEASURES

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

SKIN: Remove and wash contaminated clothing thoroughly. Wash affected area thoroughly with soap and water. Get medical attention if irritation persists. Do not take clothing home to be laundered.

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

INGESTION: If large amount is ingested, give 2 – 3 glasses of water. Do not give anything by mouth to an unconscious person. Get medical attention.

NOTES TO MEDICAL DOCTOR: Treatment based on the sound judgement of the physician and the individual reactions of the patient.

V. FIRE FIGHTING MEASURES

Flash Point (Method Used): Not Applicable

Lower Explosion Limits: No Data

NFPA/HMIS Rating: Health: 2

EXTINGUISHING MEDIA: Foam

Water Spray

Auto Ignition Temperature: No Data

Upper Explosion Limits: No Data

Fire: 1

Reactivity: 0

Alcohol Foam

Dry Chemical

Other

CO₂

EXPLOSION HAZARDS: Dusts may form explosive mixtures with air.

FIRE FIGHTING PROCEDURES: Wear NIOSH approved self-contained, positive pressure breathing apparatus. Do not breathe fumes. Remove from area of fire at first opportunity. Prevent water run-off from entering drains, sewers, or water sources. If water enters a drainage system, advise the authorities downstream. Fertilizer will become slippery when wet. Guard against falls. Decontaminate emergency personnel with soap and water before leaving the fire area. Avoid breathing dusts, vapors and fumes from burning materials.

HAZARDOUS COMBUSTION PRODUCTS: If heated to decomposition, will give off toxic fumes of ammonia and formaldehyde. Under fire conditions, urea may decompose to cyanuric acid, biuret hydrogen cyanide and ammonia. Ammonium carbamate may also be formed.

VI. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: If material is spilled and dry, sweep or shovel into a container for reuse per label instructions or disposal. If liquid, contain spill and absorb with inert material and place in container for disposal. Prevent from entering drains, sewers or water sources. Avoid contact with eyes, skin and clothing.

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: After using product, remove clothing and launder separate before reuse. Promptly and thoroughly wash hands and exposed skin with soap and water. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

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

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: Not Applicable

MELTING POINT: 133°C (urea)

VAPOR DENSITY (air = 1): Not Applicable

ODOR: Slight ammonia/sulfur odor

APPEARANCE: Yellow, white, brown, gray granules

pH: Not Applicable

SPECIFIC GRAVITY: Not Applicable

EVAPORATION RATE: Not Applicable

VAPOR PRESSURE: Not Applicable

SOLUBILITY IN WATER: Disperses

PERCENT VOLATILE: Not Applicable

BULK DENSITY (lbs./cu ft): 45 – 65

X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Extremely high temperatures; 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. Urea reacts with sodium or calcium hypochlorite to form explosive nitrogen trichloride.

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: Prolonged or repeated overexposure to the active ingredient could cause kidney, liver, blood effect, thyroid damage, adrenal effects.

CARCINOGENICITY:

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

OTHER: Not Listed

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product is toxic to fish and highly toxic to other aquatic organisms, including oysters and shrimp. Drift or runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas.

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish and highly toxic to other aquatic organisms, including oysters and shrimp.

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: Not Applicable
Hazard Class: Not Applicable
U.S. Surface Freight Class: Not Applicable
Reportable Quantity (RQ): Not Applicable

ID NO.: Not Applicable
Marine Pollution #1: Not Applicable
HM 181 Shipping Name: Not Regulated

XV. REGULATORY INFORMATION – UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

Y **Immediate (Acute Health)**

Y **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 RQ: Not Applicable

CAA RQ: Not Applicable

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

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