SIGNATURE® DIMENSION* 0.15 PLUS FERTILIZER

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

LOVELAND PRODUCTS, INC. **24-Hour Emergency Phone**: 1-800-424-9300

PRODUCT NAME: SIGNATURE® DIMENSION* 0.15 PLUS FERTILIZER

CHEMICAL NAME: Herbicide (Dithiopyr: 3,5-pyridinecarbothioic acid,2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S dimethyl ester)

on N-P-K Fertilizer

CHEMICAL FAMILY: Pyridine Herbicide-Fertilizer Combination

EPA REG. NO.: 62719-504-34704

MSDS Number: 62719504-06-LPI MSDS Revisions: New Date of Issue: 10/18/06 Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

This product is a multi-colored granule with slight odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS (Note: See Product Label for Guaranteed Analysis)

Chemical Ingredients:	Percentage by Weight:	CAS No.	TLV (Units)
Dithiopyr	0.15	97886-45-8	None Established
Fertilizer: see label for N-P-K analysis	99.85		

4. FIRST AID MEASURES

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5

minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF INHALED: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.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center, or doctor, or when going for treatment. You may

also contact 1-800-992-5994 day or night, for emergency treatment information.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not applicable FLAMMABLE LIMITS (LFL & UFL): Not applicable

EXTINGUISHING MEDIA: Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon

dioxide, foam, water spray or fog.

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.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-

contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dusts or vapors can travel to a sources of ignition and flash back.

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6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing dusts. Sweep up dry spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local, state and federal regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: 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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into

clean clothing.

STORAGE: Store this product only in its original labeled container in a dry, cool secured storage area. Do not contaminate water, food

or feed by storage or disposal.

SOLUBILITY: Insoluble

pH: Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Not normally required.

RESPIRATORY PROTECTION: EYE PROTECTION:

Not normally required, if vapors or dusts exceed acceptable levels, wear a NIOSH approved pesticide respirator.

Chemical goggles or shielded safety glasses.

SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-

resistant gloves.

OSHA PEL 8 hr TWA

ACGIH TLV-TWA

Nuisance Particulates

15 mg/m³ (total dust)

not listed

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Multi-colored granules with slight odor

SPECIFIC GRAVITY (Water = 1): 0.979 g/ml BULK DENSITY: 61.143 lbs/ft³

VAPOR PRESSURE: Not applicable
PERCENT VOLATILE (by volume): Not applicable
Note: These physical data are typical values based on material tested but may vary from sample to sample.

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: Caustics, acids, oxidizers, fluorine, metals. **HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): (technical material) 1050 mg/kg

HAZARDOUS POLYMERIZATION: Will not occur.

Eye Irritation (rabbit): Causes eye irritation Inhalation LC₅₀ (rat): Not established.

Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH

Acute Dermal LD₅₀ (rabbit): >5000 mg/kg Skin Irritation (rabbit): May cause irritation

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

Skin Sensitization (guinea pig): Not established

12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish. Do not apply directly to water, or to area where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent areas. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area. Drift or runoff may adversely affect non-target plants.

13. DISPOSAL CONSIDERATIONS

Do not reuse empty bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT.

U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; DRY (NMFC 50320, SUB 5; CLASS 50)

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings: NFPA HMIS

1Health0Least1Health0Flammability1Slight0Flammability0Instability2Moderate0Reactivity

Instability 2 Moderate 0 Read 3 High H PPE

4 Severe

MATERIAL SAFETY DATA SHEET

SIGNATURE® DIMENSION* 0.15 PLUS FERTILIZER

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:

Immediate Delayed <u>Y</u> <u>N</u> Fire N Reactive N Sudden Release of Pressure

__N__

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive

harm.

16. OTHER INFORMATION

MSDS STATUS: New

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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