

1301 East 9th Street, Suite 1300, Cleveland, OH 44114-1849
EMERGENCY PHONE: LESCO: (800) 321-5325
CHEMTREC: (800) 424-9300

DATE ISSUED: 12/21/06
SUPERSEDES: NEW

I. PRODUCT IDENTIFICATION

PRODUCT NAME: LESCO RegiMax PGR™ Plant Growth Regulator
Chemical Family: Cyclopropyl Derivative of Cyclohexenone Plant Growth Inhibitor
Chemical Name/Synonyms: 4-(Cyclopropyl- α -hydroxymethylene)-3,5-dioxo-cyclohexanecarboxylic acid ethylester; C₁₃H₁₆O₅

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Trinexapac-ethyl	11.3	95266-40-3	NE

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Primary Route(s) of Entry: Eyes, Skin, Inhalation, Ingestion
POTENTIAL HEALTH EFFECTS: Harmful if absorbed through skin, swallowed or inhaled. Causes moderate eye irritation. Avoid Breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.
EYE: May cause eye irritation
SKIN: Contact is not expected to result in irritation.
INHALATION: Exposure to high vapor levels may cause dizziness, headache, nausea, numbness, incoordination or other central nervous system effects.
INGESTION: There is not data available regarding ingestion toxicity. Handle as a potential ingestion hazard.
MEDICAL CONDITIONS AGGRAVATED: None known
POTENTIAL ENVIRONMENTAL HAZARDS: This pesticide has a low toxicity to wildlife and fish. Do not apply directly to water, 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 washwater. Do not apply when weather conditions favor drift from treated areas.

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: If a large amount has been ingested, lavage stomach. An aqueous suspension of activated charcoal can be given to absorb remaining toxicant. Treat symptomatically.

V. FIRE FIGHTING MEASURES

Flash Point (Method Used): (PMA-4): >230F **Auto Ignition Temperature:** ND
Lower Explosion Limits: NA **Upper Explosion Limits:** NA
NFPA/HMIS Rating: Health:1 Fire: 1 Reactivity: 0
EXTINGUISHING MEDIA: Foam Alcohol Foam CO₂

	Dry Chemical	x	Water Spray	x	Use appropriate extinguishing media for combustibles in the area.
--	-----------------	---	-------------	---	-------------------------------------------------------------------------

EXPLOSION HAZARDS: Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back.

FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full face piece and full bunker gear. Evacuate nonessential personnel from the area to prevent exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff may cause environmental damage and if water is used to fight a fire, dike and collect the runoff.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition or combustion may produce irritating and possibly toxic gases in a fire.

VI. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: If material is spilled, control the spill at its source and contain the spill to prevent it from spreading or contaminating soil or from entering sewer and drainage systems or any body of water. Clean up spills immediately, observing the precautions outlined in Section VIII below. Cover the entire spill with absorbing material and place into an appropriate disposal container. Scrub the area with hard water detergent such as Tide, Joy, Spic and Span, etc., and pick up the wash liquid with additional absorbent material and place into an appropriate disposal container. Once all material is cleaned up and placed in a disposal container, seal the container and arrange for disposal.

VII. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. Store in a cold, dry place and avoid excess heat. Do not store below 0F. If crystals form, store above 70F, shaking periodically until crystals are dissolved. Wash thoroughly after handling this product.

OTHER PRECAUTIONS: Keep out of reach of children and animals.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust

PERSONAL PROTECTION EQUIPMENT:

EYES AND FACE: Safety goggles

RESPIRATORY: Local exhaust

GLOVES: Chemical-resistant gloves (such as nitrile, butyl, neoprene, or barrier laminate)

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

WORK HYGIENIC PRACTICES: 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.

COMMENTS: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: ND

MELTING POINT: NA

VISCOSITY: 4.114 @ 20C; 19.114 @ 40C

ODOR: Odorless

APPEARANCE: Clear liquid

pH: 3.33

SPECIFIC GRAVITY: ND

EVAPORATION RATE: ND

VAPOR PRESSURE: ND

SOLUBILITY IN WATER: ND

PERCENT VOLATILE: ND

DENSITY: 1.075 g/ml @ 20C

X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Keep away from heat and flame.

STABILITY: Stable
POLYMERIZATION: Will not occur
INCOMPATIBLE MATERIALS: None known
HAZARDOUS DECOMPOSITION PRODUCTS: Can decompose at high temperatures forming toxic and explosive gases.

XI. TOXICOLOGICAL INFORMATION

EYE EFFECTS: (Rabbit) Moderately irritating
SKIN EFFECTS: (Rabbit) Slightly irritating
DERMAL LD₅₀: (Rat) > 5000 mg/kg
ORAL LD₅₀: (Rat, female) 5000 mg/kg
INHALATION LC₅₀: (Rat) > 2.06 mg/L
SENSITIZATION: (Guinea pig) Not a contact sensitizer
ACUTE EFFECTS FROM OVEREXPOSURE: May cause eye irritation. Harmful if absorbed through skin, swallowed or inhaled. Void breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing.
CHRONIC EFFECTS FROM OVEREXPOSURE:
CARCINOGENICITY:
IARC: Not Listed
NTP: Not Listed
OSHA: Not Listed
OTHER: Not listed

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This pesticide has a low toxicity to wildlife and fish. Do not apply directly to water, 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 washwater. Do not apply when weather conditions favor drift from treated areas.
ECOTOXICOLOGICAL INFORMATION: No data

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Do not contaminate water, food, or feed by storage or disposal.
Product: Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixture, or rinsate is a violation of Federal law. Wastes resulting from the use of this product may be disposed of onsite or at an approved waste disposal facility.
Container: Triple rinse (or equivalent) and then offer for recycling or reconditioning, or puncture and dispose of 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	Marine Pollutant #1: Not listed
Proper Shipping Name: NA	HM 181 Shipping Name: NA
Hazard Class: NA	ID NO.: NA
U.S. Surface Freight Class: 18 Insecticides, Fungicides, Insect or Animal Repellent NOI	Reportable Quantity (RQ): NA

XV. REGULATORY INFORMATION – UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SEC 311/312:

Y Immediate (Acute Health)

N Delayed (Chronic Health)

N Fire

N Sudden Release of Pressure

N Reactivity



MATERIAL SAFETY DATA SHEET #5056

Page 4 of 4

SEC 302 (Extremely Hazardous Substance): Not listed

SEC 304 (Emergency Release Notification): NA

SEC 313 (Toxic Chemicals): None

CERCLA RQ: Not listed

CAA RQ: NA

EPA Registration No.: 79676-24-10404

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

Preparation and distribution of this Material Safety Data Sheet is done for LESCO, Inc., 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 makes no warranty of merchantability or 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'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. • 1301 East 9th Street, Suite 1300 • Cleveland, OH 44114-1849 or (800) 321-5325.