

SAFETY DATA SHEET

LESCO CrossCheck Insecticide Plus Fertilizer

1. IDENTIFICATION

Product name: **LESCO CrossCheck 0.096%, 0.083%, 0.115% Insecticide Plus Fertilizer**
 Product type: Granular Insecticide with Fertilizer
 EPA Registration No.: 53883-337-10404; 53883-163-10404; 279-3234-10404
 Chemical name of active ingredient(s): Bifenthrin: (2-methyl[1,1'-biphenyl]-3-yl)-methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl cyclopropanecarboxylate
 LESCO Inc.
 Manufacturer/Registrant: 1385 East 36th Street
 Cleveland, OH 44114 T: 800-347-4272

For fire, spill, and/or leak emergencies, Phone: 1-800-424-9300
 For medical emergencies and health and safety inquiries, contact Safety Phone: 1-866-897-8050
 Call:
 Poison Control Center Phone: 1-800-222-1222

2. HAZARDS IDENTIFICATIONS

OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

Acute Toxicity:

	Acute oral	Acute dermal	Acute inhalation	Eye irritation	Skin irritation	Skin Sensitization
Category	NC	NC	NC	NC	NC	NC

NC: Not classified

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

- Causes eye irritation.

PICTOGRAM:



PRECAUTIONARY STATEMENTS:

- Wash hand thoroughly after handling. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice.

Contact Safety Call[®] International for emergency medical treatment at (866) 897-8050.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Bifenthrin	82657-04-3	0.083-0.115	NA	NA	NA	NA
Inert Ingredients, containir g:	99.78-99.81					

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Crystalline silica (quartz)*	14808-60-7	>0.1	10 mg/m ³ (TWA) (Respirable Fraction)	0.05 mg/m ³ (TWA) (Respirable Fraction)	NA	IARC: 1** NTP: 1***
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Formulated with one or more of the following ingredients. Check specific product label.

0.03 – 0.042 –
0.065 – 0.069 –
0.096 – 0.1

82657-04-3

NE

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 (dust)
Monoammonium Phosphate	0 – 60	7722-76-1	15 mg/M ³ (dust)
Diammonium Phosphate	0 – 50	7783-28-0	5 mg/M ³ TLV 15 mg/M ³ (dust)
Sodium bentonite	0 – 50	1302-78-9	5 mg/M ³ (resp) 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	7487-88-9	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)

NA=Not available; NA=Not applicable.

*May be present as a naturally occurring mineral in the ingredients used in this formulation. The respirable portion of crystalline silica in this product is very small, and excessive inhalation is unlikely under normal conditions of use.

**IARC Group 1: The agent (mixture) is carcinogenic to humans.

***NTP Group 1: Substances or groups of substances, and medical treatments that are known to be carcinogenic.

4. FIRST AID MEASURES

FIRST AID	
IF IN EYES:	- Hold eye open and rinse slowly and gently with water 15-20 minutes. - Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing eye. - Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® at (866) 897-8050 for emergency medical treatment information.	

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

FLAMMABLE LIMITS: Not applicable

EXTINGUISHING MEDIA: Water fog, CO₂, foam, dry chemical.

HAZARDOUS DECOMPOSITION PRODUCTS: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

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FIRE-FIGHTING PROCEDURES: Fire fighters should wear full protective gear and self-contained breathing apparatus. Contain runoff to prevent pollution. Fumes and smoke from fire may be hazardous.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: If material is spilled, isolate and post spill area. Wear protective clothing and personal protective equipment as noted in Section 8. Keep unprotected persons and animals out of the area. Keep material out of lakes, streams, ponds and sewer drains. Large spills should be covered to prevent dispersal. For dry material, use a wet sweeping compound or water to prevent the formation of dust. If water is used, prevent runoff or dispersion of excess liquid by diking and absorbing with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump all waste material, including absorbent, into a drum and label contents for disposal. To clean and neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash, and an appropriate alcohol (i.e. methanol, ethanol or isopropanol). Follow this by washing with a strong soap and water solution. Absorb, as above, any excess liquid and add to the drums of waste already collected. Repeat if necessary. Dispose of drummed waste according to the method outlined in Section 13.

7. HANDLING AND STORAGE

Do not contaminate water, food, or feed by storage or disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING: Do not use or store near heat or open flame. Carefully open containers and after partial use close container tightly. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store product in its original container in a cool dry locked place out of the reach of children and animals.

STORAGE TEMPERATURE (MIN/MAX): Normal ambient temperatures. Avoid exposure to extreme temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

EYE PROTECTION: Protective eyewear or chemical safety glasses with side shields or chemical goggles when working in non-ventilated spaces.

SKIN PROTECTION: Long-sleeve shirt, long pants, shoes plus socks.

HAND PROTECTION: Wear chemical protective gloves made of materials such as rubber or neoprene.

RESPIRATOR REQUIREMENTS: When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

VENTILATION: Adequate ventilation should be used to minimize the need for personal protective equipment.

WORK HYGIENIC PRACTICES: Clean water should be available to rinse eyes and skin in case of chemical exposure. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Shower at the end of the workday.

ADDITIONAL PROTECTIVE MEASURES: Follow manufacturer's instructions for

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cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

EXPOSURE GUIDELINES: Refer to Section 3.

ENGINEERING CONTROLS: Use local exhaust at all process locations where dust may be emitted. Ventilate all transport vehicles prior to unloading.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Multi-colored solid granules

ODOR: bland, characteristic odor

pH: 5.0 – 6.5

FLASH POINT: Not applicable

BULK DENSITY: 45 – 55 lbs/cu. ft.

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat and fire.

INCOMPATIBLE MATERIALS: Strong acids, caustic compounds, humid-wet conditions

HAZARDOUS DECOMPOSITION PRODUCTS: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION:

Ingestion: No specific symptoms of over-exposure to the herbicide active ingredient are known to occur. Ingestion of fertilizer components may cause nausea, vomiting, cramps, and diarrhea.

Inhalation: Excessive inhalation of fertilizer dust may irritate nose, throat and upper respiratory tract.

Eye Irritation: Slight, reversible irritation to the eye

Skin Irritation: May cause slight mechanical irritation.

Dermal Sensitization: Possible skin sensitization or allergic reaction in susceptible persons.

PRIMARY ROUTES OF EXPOSURE: Inhalation, ingestion, skin or eye contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Existing skin irritation or lesions, asthma or pulmonary disease.

POTENTIAL HEALTH EFFECTS: Effects from overexposure may result from either swallowing, inhaling or coming into contact with the skin or eyes. Symptoms of overexposure include bleeding from the nose, tremors and convulsions. Contact with bifenthrin may occasionally produce skin sensations such as rashes, numbing, burning or tingling. These skin sensations are reversible and usually subside within 12 hours.

CHRONIC EFFECTS FROM OVEREXPOSURE: No data available for the formulation. In studies with laboratory animals, bifenthrin did not cause reproductive toxicity or teratogenicity. Tremors were associated with repeated exposure of laboratory animals to bifenthrin. In lifetime feeding studies conducted with rodents, a slight increase in the incidence of urinary bladder tumors at the highest dose in male mice was considered to be an equivocal response, not evidence of a clear compound-related effect. The overall absence of genotoxicity has been demonstrated in mutagenicity tests with bifenthrin. EPA has classified bifenthrin as Class C, possible human carcinogen.

Excessive inhalation of crystalline silica (quartz) may cause lung injury. Prolonged or repeated overexposure may cause liver and thyroid effects.

CARCINOGENS: Crystalline silica (quartz) component is classified as a carcinogen by NTP and IARC.

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply when weather conditions favor drift from treated areas. Drift and run off from treated areas may be hazardous to aquatic organisms in neighboring areas. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

ECOTOXICOLOGICAL INFORMATION: (based on Bifenthrin Technical data)

Aquatic Organisms Effects:

Rainbow trout LC₅₀: 0.00015

mg/L Bluegill LC₅₀: 0.00035

mg/L Daphnia magna EC₅₀:

0.0016 µg/L **Effects on Birds:**

Mallard Duck LD₅₀ (21-day): 2150 mg/kg

Bobwhite quail LD₅₀ (21-day): 1,800 mg/kg

ENVIRONMENTAL FATE: No data available for the formulation. Bifenthrin has moderate stability in the soil under aerobic conditions (half-life range from 65 – 125 days depending on soil type) and is stable at a wide range of pH values. Bifenthrin has a high Log Pow (>6.0), a high affinity for organic matter, and is not mobile in soil. Therefore, there is little potential for movement into ground water. There is the potential for bifenthrin to bioconcentrate (BCF = 11,750).

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Open dumping or burning of this material or its packaging is prohibited. Do not contaminate water, food, or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not Regulated.

U.S. Surface Freight Class: Fertilizing compound mixed with insecticide

INTERNATIONAL TRANSPORTATION:

IMO (vessel): Not Regulated.

IATA (air): Not Regulated.

15. REGULATORY INFORMATION

FIFRA INFORMATION:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information for safety data sheet, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

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CAUTION Causes moderate eye irritation. Avoid contact with eyes skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.
Section 311/312: Acute health hazard (immediate)
Section 313: Bifenthrin (0.069%) CAS #:82657-04-3

CA PROPOSITION 65: This product contains a chemical known to the State of California to cause cancer. Crystalline Silica (Quartz) CAS #: 14808-60-7.

CERCLA RQ: Not applicable

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

HAZARD RATINGS	NFPA	HMIS	
HEALTH:	1	1	0 MINIMAL
FLAMMABILITY:	0	0	1 SLIGHT
REACTIVITY:	0	0	2 MODERATE
			3 HIGH
			4 SEVERE

MSDS DATE: 2-24-2016. Supersedes version dated 2-4-2015. Changes made to sections 1 and 3.

LESCO urges each customer or recipient of this Safety Data Sheet (SDS) to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and is based on our current knowledge. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. It is the buyer's/user's responsibility to ensure that his or her activities comply with all federal, state, provincial and local laws. The information presented here pertains only to the product as shipped. It is the buyer's/user's duty to determine the conditions necessary for safe use of this product. The SDS serves different purposes than, and DOES NOT REPLACE OR MODIFY, THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.