

SAFETY DATA SHEET

Emergency Telephone Chemtrec 1-800-424-9300

1. IDENTIFICATION

PRODUCT NAME: CYMYTE II
DESCRIPTION: Agricultural Miticide
EPA REG. NO.: 34704-1132
COMPANY IDENTIFICATION: LOVELAND PRODUCTS, INC. P.O. Box 1286
Greeley, CO 80632-1286
retail-SDS@nutrien.com

2. HAZARD IDENTIFICATION

DANGER

Causes severe skin burns and eye damage (H314)
Toxic if inhaled (H331)
Flammable liquid and vapor (H226)
Harmful if swallowed (H302)
May be harmful in contact with skin (H313)
Suspected of causing cancer (H351)
May be harmful if swallowed and enters airways (H305)
Very toxic to aquatic life with long lasting effects (H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Eye Damage / Irritation	1	Flammable Liquids	3
Skin Corrosion / Irritation	1		
Acute Toxicity – Inhalation	3	Environmental Hazards	Category
Acute Toxicity – Oral	4	Hazardous to the Aquatic Environment – Chronic	1
Acute Toxicity – Dermal	5		
Carcinogenicity	2		
Aspiration	2		

HAZARDS NOT REQUIRING CLASSIFICATION

Do not mix or allow coming into contact with oxidizing agents. Hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS

Prevention

Do not breathe dusts or mists (P260)
Wash hands and skin thoroughly after handling (P264)
Wear protective clothing as instructed in Section 8. (P280)
Do not handle until all safety precautions have been read and understood. (P202)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Do not eat, drink or smoke when using this product. (P270)

Avoid release to the environment not in accordance with the product label. (P273)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. (P303+P361+P353+P363)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. (P304+P340+P310)

IF SWALLOWED: Immediately call a POISON CENTER / doctor. Rinse mouth. Do NOT induce vomiting. (P301+P310+P330+P331)

Specific treatment: See Note to Physician in Section 4. (P321)

IF exposed or concerned: Get medical advice/attention. (P308+P313)

Collect spillage. (P391)

In case of fire: Use alcohol-resistant foam, carbon dioxide, or dry chemical to extinguish. (P370 + P378)

Storage

Store locked up in a well-ventilated place. Keep container tightly closed. (P405+P403+P233)

Disposal

Dispose of contents container to an approved waste disposal plant. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Propargite	2-[4-(1,1-dimethylethyl)phenoxy] cyclohexyl 2-propynyl sulfite	2312-35-8	69.6%
Aromatic naphtha	--	64742-94-5	< 15.0%
Pseudocumene	1,2,4-trimethylbenzene	95-63-6	< 5.0%
Xylenes	Benzene, dimethyl-	1330-20-7	< 0.4%
Cumene	(1-methylethyl)benzene	98-82-8	< 0.2%
Naphthalene	--	91-20-3	< 0.2%

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information in this pesticide product (including health concerns, medical emergencies, or pesticide incidents) you may call MEDICAL EMERGENICES at 1-800-301-7976 24 hours per day, 7 days per week. For chemical emergency: spill, leak, fire, exposure or accidents call CHEMTREC: 1-800-424-9300 or U.S. Coast Guard National Response Center at 1-800-424-8802.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 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.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Contains petroleum distillates. Vomiting may cause aspiration pneumonia. Probable mucosal damage may contraindicate the use of gastric lavage.

Flash Point: 46.1°C (115°F)

Flammable Limits (LFL-UFL): Not determined

Fire and Explosion Hazards: Burning produces noxious and toxic fumes.

Extinguishing Medium: Water fog, foam, dry chemical or carbon dioxide (CO₂).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

NFPA Ratings: Health – 3 / Flammability – 2 / Reactivity - 0

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Spill Cleanup: Dike spill using suitable absorbent or impervious materials such as earth, sand, or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

Handling: Do not get in eyes, on skin, or on clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear such as goggles, face shield or safety glasses.

Storage: Keep this product in its tightly closed original container. Do not use or store this product near heat or open flame. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals, and away from other pesticides, fertilizers, food, or feed.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: Applicators and other handlers must wear coveralls over long-sleeved shirt and long pants; chemical-resistant footwear and socks; chemical resistant gloves made of barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, butyl rubber ≥ 14 mils, and/or viton ≥ 14 mils, except for flaggers and applicators using closed cabs; chemical-resistant apron; chemical-resistant headgear for overhead exposure; and NIOSH-approved respirator with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic-vapor cartridge or canister with any N, R, P or HE filter.

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

Appearance:	transparent amber liquid
Odor:	mild hydrocarbon
Melting / Freezing point:	no data available
Boiling Point / Boiling Range:	no data available
Flammability:	flammable liquid
Flammability Limits (upper/lower):	not applicable
Flash Point (closed cup):	115°F (46.1°C)
Auto-ignition Temperature:	no data available
Decomposition Temperature:	no data available
pH:	5-6 (1% aq.)
Kinematic Viscosity:	no data available
Solubility:	soluble
Partition coefficient:	no data available
Vapor Pressure:	no data available
Density:	1.0-1.1 g/mL
Relative Vapor Density:	no data available
Particle Characteristics:	no data available

CONDITIONS TO AVOID: Heat, flames and sparks.

CHEMICAL STABILITY: Stable under all normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. Thermal decomposition can lead to the formation of noxious and toxic fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): 960 mg/kg

DERMAL TOXICITY (rat LD₅₀): 4500 mg/kg

INHALATION TOXICITY (rat LC₅₀): 0.46 mg/L (4-hour)

EYE IRRITATION: Severely irritating

SKIN IRRITATION: Corrosive

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

EPA: Group B2 (propargite)

ACGIH: Not Listed

NTP: Not Listed

IARC: Not Listed

OSHA: Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: Propargite is known to cause reproductive toxicity.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic invertebrates and may cause reproductive effects in wildlife.

The following information is for the active ingredient, propargite:

AQUATIC TOXICITY

Rainbow Trout (96-hour LC₅₀): 0.043 mg/L

Bluegill (96-hour LC₅₀): 0.081 mg/L

Daphnia (48-hour LC₅₀): 0.014 mg/L

Algae (96-hr LC₅₀): > 1.08 mg/L

AVIAN TOXICITY

Mallard Duck (LD₅₀): > 4640 mg/kg

Mallard Duck (5-d LC₅₀): > 4640 mg/kg

Bobwhite quail (5-d LC₅₀): 3401 mg/kg

OTHER TOXICITY

Honey Bee (contact 48-hour LD₅₀): 47.92 µg/bee (not toxic to bees)

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Shipping Description: UN2903, Pesticides, liquid, toxic, Flammable, N.O.S. (propargite, aromatic naphtha), 6.1, 3, PG II, RQ

Hazardous Substance RQ: Propargite: RQ 10 lbs. (1.67 gallons of product)

Emergency Guide: 151

IMDG:

Shipped internationally

by vessel: UN2903, Pesticides, liquid, toxic, Flammable, N.O.S. (propargite, aromatic naphtha), 6.1, 3, PG II, Marine Pollutant

IATA:

Shipped by air: UN2903, Pesticides, liquid, toxic, Flammable, N.O.S. (propargite, aromatic naphtha), 6.1, 3, PG II, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

FIFRA –

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 required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Contains petroleum distillates. Corrosive. Causes skin burns and irreversible eye damage. May be fatal if inhaled or swallowed. Harmful if swallowed or absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear such as goggles, face shield or safety glasses.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may cause reproductive effects in wildlife.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store this product near heat or open flame. Do not mix or allow coming into contact with oxidizing agents. Hazardous chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances
Not listed

SARA Title III – Section 311/312 Hazard Categories
Immediate, Delayed, Fire

SARA Title III – Section 312 Threshold Planning Quantity
The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients
Propargite (CAS No. 2312-35-8) (69.9%)

1,2,4-trimethylbenzene (CAS No. 95-63-6) (< 5.0%)

Xylenes (CAS No. 1330-20-7) (< 0.4%)

Cumene (CAS No. 98-82-8) (< 0.2%)

Naphthalene (CAS No. 91-20-3) (< 0.2%)

15. REGULATORY INFORMATION (CONTINUED)

CERCLA Reportable Quantity (RQ) –

Propargite (CAS No. 2312-35-8) (69.9%), 10 lbs. (1.67 gallons of product)

Xylenes (CAS No. 1330-20-7) (< 0.4%), 100 lbs. (> 315 gallons of product)

Naphthalene (CAS No. 91-20-3) (< 0.2%), 100 lbs. (> 600 gallons of product)

Cumene (CAS No. 98-82-8) (< 0.2%), 5,000 lbs. (> 31,000 gallons of product)

CALIFORNIA PROP 65 STATUS –



WARNING: This product can expose you to propargite, cumene, and naphthalene, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

Disclaimer

This safety data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.