



VENTAS™

42% C-LV

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Ventas 42% C-LV
DESCRIPTION: Agricultural Insecticide
EPA REG. NO.: 91234-54
COMPANY IDENTIFICATION: Atticus, LLC
 5000 CentreGreen Way, Suite 100
 Cary, NC 27513

2. HAZARD IDENTIFICATION

DANGER

Fatal if swallowed or inhaled (H300+H330)
 Toxic in contact with skin (H311)
 Causes serious eye irritation (H319)
 Causes damage to organs (central nervous system, eyes) (H370)
 Combustible liquid (H227)
 Very toxic to aquatic life with long lasting effects (H410)



HAZARD CLASSIFICATION

Health Hazard	Category
Acute Toxicity - Oral	2
Acute Toxicity - Inhalation	2
Acute Toxicity - Dermal	3
Specific target organ toxicity - single exposure	1
Eye Damage / Irritation	2A

Other Hazards	Category
Flammable Liquids	4
Hazardous to the aquatic environment, acute	1
Hazardous to the aquatic environment, chronic	1

PRECAUTIONARY STATEMENTS

Do not breathe mist or spray. Use only outdoors or in a well-ventilated area. Wear respiratory protection. (P260+P271+P284)
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. In case of fire, refer to Section 5 for specific measures. (P210+P370+P378)
 Wear protective clothing, eye/face protection and gloves. Refer to Section 8 for specific personal protective equipment (PPE) instructions. (P280)
 Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. (P264+P270)
IF SWALLOWED: Immediately call a poison control center or doctor for emergency medical advice. Rinse mouth. (P301+P310+P330)
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center or doctor for emergency medical advice. (P304+P340+P310)
IF ON SKIN: Wash with plenty of water. Call a poison control center or doctor if you feel unwell. Take off immediately contaminated clothing and wash it before reuse. (P302+P352+P312+P362+P364)
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 or attention. (P305+P351+P338+337+P313)
SPECIFIC TREATMENT IS URGENT, refer to Section 4 for specific treatment information. (P320+P321)
 If exposed or concerned: Get medical advice/attention. (P308+P313)
 Avoid release to the environment. Collect spillage. (P273+P391)
 Store locked up in a well-ventilated place. Keep container tightly closed. (P403+P235+P233+P405)
 Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS#	Composition
Oxamyl	[Methyl N'N'-dimethyl-N- [(methylcarbamoyl)oxy]-1-thiooxamimidate]	23135-22-0	42.0%
Cyclohexanone	--	108-94-1	28.0%

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 emergency medical assistance, call SafetyCall®: **1-844-685-9173**. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: **1-800-424-9300**.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

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.

IF ON SKIN OR CLOTHING: 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.

IF IN 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.

ATROPINE IS AN ANTIDOTE – SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONINGS. Oxamyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors.

NOTE TO PHYSICIAN: Treatment: Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured.

Do not use 2-PAM for exposure of this product alone. However, for exposure to combinations of this product and organophosphorous insecticides, 2-PAM may be used as required to supplement the atropine sulfate treatment. Do not use morphine.

5. FIREFIGHTING MEASURES

Flash Point: 60.8°C (141.44°F)

Flammable Limits (LFL-UFL): N/A

Fire and Explosion Hazards: Vapors may form explosive mixture with air. Heating can release vapors that can be ignited.

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.

Hazardous Combustion Products: Burning chemicals may produce byproducts more toxic than the original material.

NFPA Ratings: Health – 4 / Flammability – 2 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Use self-contained breathing apparatus and 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: Absorb spill with suitable material such as clay, sand, or dirt. Shovel (plastic or aluminum) or sweep up and collect in suitable container for disposal. Never return to container for reuse.

7. HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wash 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. Do not contaminate water, food, or feed by storage or disposal.

Storage: Do not subject to temperatures below 32°F. Store product in original container only at temperatures of 45 °F or higher. Not for use or storage in or around the home.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Protective Clothing: Mixers, loaders, applicators, and other handlers must wear: Coveralls over long-sleeved shirt and long pants; Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14mils, neoprene rubber ≥ 14mils, polyvinyl chloride (PVC) ≥ 14mils, viton ≥ 14mils, or nitrile rubber ≥ 14mils; Chemical-resistant footwear plus socks; Protective eyewear; Chemical-resistant headgear for overhead exposure; Chemical-resistant apron when cleaning equipment, mixing, or loading; and, wear a minimum of an elastomeric half face NIOSH approved respirator with organic vapor (OV) cartridges and a combination R or P filter (TC-84A); or a NIOSH approved gas mask with an OV canister (TC-14G); or a NIOSH approved powered air purifying respirator with OV cartridge and combination HE filter (TC-23C)

General: Discard clothing or 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid

Odor: unpleasant, solvent-like

Flashpoint: 60.8°C (141.44°F)

pH: 3-4 (1% aq.)

Dynamic Viscosity: No data available

Density: 9.1 lbs./gal (1.09 g/cm³)

Solubility: miscible



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10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No data available.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: No data available.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): 9.1 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 200 and ≤ 1,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): 0.11 mg/L(4-hour)

EYE IRRITATION: Causes substantial but temporary eye injury

SKIN IRRITATION: Non-irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

ACGIH: Not listed

IARC: Not listed

NTP: Not listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects.

TERATOGENICITY: Animal testing showed effects on embryo-fetal development at all levels equal to or above those causing maternal toxicity.

REPRODUCTIVE TOXICITY: No reproductive toxicity. Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to aquatic organisms (fish and invertebrates) and extremely toxic to birds and mammals. Drift and runoff may be hazardous to aquatic organisms in neighboring areas.

This product can contaminate surface water through ground spray applications.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds.

GROUND WATER ADVISORY—Residues of this product can seep or leach through soil and can contaminate ground water which may be used for drinking.

AQUATIC TOXICITY

The following information is for the active ingredient, Oxamyl:

Rainbow Trout (96-hour LC₅₀): 3.16 mg/L

Daphnia (48-hour EC₅₀): 0.319 mg/L

Algae (96-hr EC₅₀): 2.61 mg/L

Rainbow Trout (61-day NOEC): 0.77 mg/L

Daphnia (21-day NOEC): 0.0268 mg/L

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

UN Number: UN2992

Proper Shipping Name: Carbamate pesticides, liquid, toxic

Transport Hazard Class: 6.1

Packing Group: II

Hazard Zone: B

Marine Pollutant: Yes[†]

Hazardous Substance: Oxamyl: RQ 100 lbs. (50 gallons of product)

Labels / Placards: US-DOT: Class 6.1 Poison Hazard

IMDG, TDG, ADR, United Nations: Class 6.1 Toxic Substances

Emergency Guide: 131 (NAERG – North American Emergency Response Guide)

[†]**Marine Pollutant Note:** US-DOT “ground only” shipments are not required to be classified and marked as a marine pollutant (49CFR§172.203(l)(4) Note L4).

For any shipments involving all or part of the transport by vessel, the shipment must be classified as a 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-POISON! Fatal if swallowed. May be fatal if inhaled. Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wash 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.



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15. REGULATORY INFORMATION (cont.)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms (fish and invertebrates) and extremely toxic to birds and mammals. Cover or disc spill areas. Birds and mammals in treated areas may be killed. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment waste waters.

This product can contaminate surface water through ground spray applications. Under some conditions, it may also have a high potential for runoff into surface water after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, area overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

GROUND WATER ADVISORY—Residues of this product can seep or leach through soil and can contaminate ground water which may be used for drinking. Users are advised not to apply this product where the water table is close to the surface and where soils are very permeable, i.e., well-drained soils such as loamy sands. Local agricultural Agencies can provide information on the soil type in your area and the location of the ground water.

PHYSICAL AND CHEMICAL HAZARDS

Flammable. Keep away from heat, sparks, and open flame. Keep container closed. Use with adequate ventilation. Do not mix or allow coming in contact with oxidizing agent. 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

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

None

CERCLA Reportable Quantity (RQ) –

Oxamyl (CAS No. 23135-22-0) (42.0%): RQ 100 lbs. (26.5 gallons of product)

Cyclohexanone (CAS No. 108-94-1) (28.0%): RQ 5,000 lbs. (1,962 gallons of product)

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

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

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0

Effective Date: 02/07/2018



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