



OCTIVIO™

SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Octivio
DESCRIPTION: A liquid herbicide
EPA REG. NO.: 91234-88
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Causes eye irritation (H320)
Very toxic to aquatic life with long lasting effects (H410)



HAZARD CLASSIFICATION

Health Hazards Category
Eye Damage / Irritation 2B

Physical Hazards Category
None -

Environmental Hazards Category
Hazardous to the Aquatic Environment – Chronic 1

HAZARDS NOT REQUIRING CLASSIFICATION

None.

PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. (P264)
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 attention. (P305+P351+P338+P337+P313)
Avoid release to the environment in a manner not in accordance with the product label. (P273)
Collect spillage. (P391)
Dispose of contents / container in accordance with local / Federal regulations as specified in the product label. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS#	Composition
ammonium salt of imazamox	2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1 H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid	247057-22-3	12.1%

4. FIRST AID MEASURES

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 1-844-685-9173 for emergency medical treatment. information.

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. If irritation continues, call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If you do not feel well, call a poison control center or doctor for treatment advice.

5. FIREFIGHTING MEASURES

Flash Point: Not applicable

Fire and Explosion Hazards: Not available

Extinguishing Medium: Water spray, foam, dry chemical, or carbon dioxide (CO2). Avoid high volume water jet (contamination risk).

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: Thermal decomposition may release toxic and/or irritating fumes including oxides of carbon and nitrogen, and ammonium.

NFPA Ratings: Health – 1 / Flammability – 1 / Reactivity - 0



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6. ACCIDENTAL RELEASE MEASURES

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, any waterways or low areas. Do not flush to drain or soil. Contain contaminated water.

Spill Cleanup: Clean up spill immediately observing precautions in Section 8. Spilled product should be recovered and applied according to label rates whenever possible. If recovery and application is not possible, dike spillage, pick up with suitable absorbent material, and place into suitable containers for disposal at a licensed facility. After decontamination wash spill area with water and collect wash water for approved disposal.

7. HANDLING AND STORAGE

DO NOT contaminate water, food, or feed by storage or disposal.

Handling: Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Storage: Keep out of the reach of children. Keep from freezing, store above 32°F.

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: Applicators, and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves.

General: 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: transparent pale amber liquid

Odor: mildly sweet

Melting/freezing point: not available

Boiling point/Boiling range: not available

Flammability: not applicable

Flammability limits (upper/lower): not applicable

Flash point: not applicable

Auto-ignition temperature: not applicable

Decomposition temperature: not available

pH: 5 - 6

Viscosity: 2.3 cP @ 25°C

Solubility: not available

Partition coefficient: not available

Vapor pressure: not available

Density (@ 25°C): 1.055 g/cm³
8.80 lbs/gal

Relative vapor density: not available Particle characteristics: not available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known.

CHEMICAL STABILITY: Stable at normal temperatures and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products if stored and handled as prescribed.

HAZARDOUS POLYMERIZATION: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

ORAL TOXICITY (rat LD50): > 5,000 mg/kg

DERMAL TOXICITY (rat LD50): > 4,000 mg/kg

INHALATION TOXICITY (rat LC50): > 5 mg/L (4-hour)

EYE IRRITATION: May cause moderate but temporary irritation.

SKIN IRRITATION: May cause slight irritation.

SKIN SENSITIZATION: Animal test did not cause sensitization by skin contact.

CARCINOGENICITY:

NTP: Not listed

IARC: Not listed

EPA: Not listed

MUTAGENIC TOXICITY: Testing of individual components of this product did not show mutagenic effects.

REPRODUCTIVE TOXICITY: Testing of individual components of this product did not show fertility or reproductive effects.

TERATOGENICITY: Testing of individual components of this product did not show developmental toxicity in animals at doses that were not toxic to the parents.

OTHER TOXICITY: No data available.

12. ECOLOGICAL INFORMATION

The following information is for the active ingredient, imazamox:

Sheepshead Minnow (96h LC50): >97 mg/L

Green Algae (72h EC50): 29.1 mg/L

Lemna gibba (7d EC50): 0.031 mg/L

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container, do not reuse or refill this container. See container labeling for complete disposal instructions.



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14. TRANSPORT INFORMATION

UN Number:	UN3082
Proper Shipping Name:	Environmentally hazardous substance, liquid, N.O.S. (contains imazamox)
Transport Hazard Class:	9
Packing Group:	III
Hazard Zone:	A
Marine Pollutant:	Yes ¹
Hazardous Substance RQ:	None
Labels / Placards:	US-DOT: Class 9 Environmentally Hazardous Substance ²
IMDG, IATA:	Class 9 Environmentally Hazardous Substance ³
Emergency Guide:	171 (NAERG – North American Emergency Response Guide)
¹Marine Pollutant Note:	Ground-only shipments are excluded from Marine Pollutant labeling requirements as per 49CFR§172.101 Appendix B(4). For any shipments involving all or part of the transport by vessel, the shipment must be classified as a Marine Pollutant unless a limited quantity exemption applies (see note 3 below).
²US-DOT Note:	Not regulated for “ground only” shipments.
³IMDG / IATA Note:	Not regulated when shipped in single or inner packaging ≤ 1.3 gallons (5.0L) in strong outer packaging.

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

CAUTION. Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing.

ENVIRONMENTAL HAZARDS

This pesticide may be hazardous to plants outside the treated area. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark except as directed in this label. Off-site movement from spray drift, volatilization, and runoff may be hazardous to neighboring crops and vegetative habitat utilized for food and cover by wildlife and aquatic organisms. DO NOT contaminate water when disposing of equipment washwater or rinseate.

PHYSICAL / CHEMICAL HAZARDS

Do not mix or allow coming into 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

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) –

Not listed

CALIFORNIA PROP 65 STATUS –

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

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: 10/25/2018



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