

SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Osaria
DESCRIPTION: Water Dispersible Granule Insecticide
EPA REG. NO.: 91234-366
COMPANY IDENTIFICATION: Atticus, LLC
 940 NW Cary Parkway, Suite 200
 Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Very toxic to aquatic life with long lasting effects (H400 + H401)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
None	-	None	-
		Environmental Hazards	Category
		Hazardous to the Aquatic Environment – Acute	1
		Hazardous to the Aquatic Environment – Chronic	1

HAZARDS NOT REQUIRING CLASSIFICATION

None.

PRECAUTIONARY STATEMENTS

Avoid release to the environment (P273)

Collect spillage (P391)

Dispose of contents/container using instructions in the product label and in accordance with local/Federal regulations (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Chlorantraniliprole	1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-	500008-45-7	35%
Kaolin Clay		1332-58-7	proprietary

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

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. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC day or night. Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted).

5. FIREFIGHTING MEASURES

Flash Point: Not determined

Flammable Limits (LFL-UFL): Not determined.

Fire and Explosion Hazards: Not determined.

Extinguishing Medium: Use water spray, fog, or foam extinguishing media. Do not use high volume water jet.

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. Decontaminate firefighting gear and personal protective equipment before reuse.

Hazardous Combustion Products: Thermal decomposition can lead to release of irritating gases and vapors: Nitrogen oxides (Nox), Carbon oxides, Hydrogen chloride, Sulfur oxides, Bromine compounds and Chlorine compounds.

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

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: Contain spillage and minimize spread. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of drains, sewers, ditches and water ways. Do NOT contaminate water when disposing of rinse waters.

Spill Cleanup: Avoid creating dust during cleanup. Sweep, scoop or shovel spilled material and place into suitable closed containers for reuse or disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal. Place leaking containers in oversize leakproof drums for transport.

7. HANDLING AND STORAGE

Handling: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Storage: Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
Kaolin	1332-58-7	TWA (Respirable particulate matter)	2 mg/m ³	ACGIH
		TWA (Respirable)	5 mg/m ³	NIOSH REL
		TWA (total)	10 mg/m ³	NIOSH REL
		TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Total dust)	10 mg/m ³	OSAH P0
		TWA (respirable dust fraction)	5 mg/m ³	OSAH P0

Engineering Controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Protective Clothing: Wear long-sleeved shirt and long pants and shoes plus socks.

General: 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. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	gray columnar granule
Odor:	weak pungent
Melting/freezing point:	not determined
Boiling point/Boiling range:	not determined
Flammability:	not determined
Flammability limits (upper/lower):	not determined
Flash point:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	7.7 – 8.7
Capillary viscosity:	not determined
Solubility:	not determined
Partition coefficient:	not determined
Vapor pressure:	not determined
Bulk Density:	0.58 g/mL
Particle characteristics:	not determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid dust formation. Dust may form explosive mixture in air. Avoid extreme temperatures, heat, flames and sparks.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur oxides, Halogenated compounds, Nitrogen oxides (NO_x), Carbon oxides.

HAZARDOUS 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): >5,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): >6.2 mg/l (4 hours)

EYE IRRITATION: Slight irritation (rabbit)

SKIN IRRITATION: No skin irritation (rabbit)

SKIN SENSITIZATION: Animal test did not cause sensitization by skin contact (mouse)

CARCINOGENICITY:

EPA: Not likely to be Carcinogenic to Humans

ACGIH: Group A4 (Kaolin) **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

MUTAGENIC TOXICITY: None known

REPRODUCTIVE TOXICITY: None known

STOT SINGLE AND REPEATED EXPOSURE: The substance or mixture is not classified as specific organ toxicant, single and repeated exposure (chlorantraniliprole). No significant adverse effects were reported (kaolin).

12. ECOLOGICAL INFORMATION

This pesticide is toxic to aquatic invertebrates, oysters and shrimp.

The following information is for the active ingredient, chlorantraniliprole:

AQUATIC TOXICITY

Bluegill sunfish (96-hour LC₅₀): >15.1 mg/L

Rainbow Trout (96-hour LC₅₀): >13.8 mg/L; (90-day NOAEC): 0.11 mg/L

Sheepshead Minnow (96-hour EC₅₀): 0.054 mg/L; (36-day NOAEC): 1.28 mg/L

Water Flea (EC₅₀): 0.0166 mg/L; (NOAEC): 0.00302 mg/L

Mysid Shrimp (LC₅₀): 11.5 mg/L; (NOAEC): 0.695 mg/L

Eastern Oyster (EC₅₀): 0.0399 mg/L

Lemna gibba (14-day EC₅₀): >2 mg/L

Green Alga (120-hr EC₅₀): >2 mg/L

Freshwater Alga (120-hr EC₅₀): >15.1 mg/L

Marine Diatom (120-hr EC₅₀): >14.6 mg/L

AVIAN TOXICITY

Northern Bobwhite (LD₅₀): >2,250 mg a.i./kg-bw; (LC₅₀): >5,620 mg a.i./kg-diet

Northern Bobwhite (NOAEC): 10.1 mg a.i./kg bw-day; (NOAEC): 120 mg a.i./kg diet

Mallard (LC₅₀): >5,620 mg a.i./kg-diet; (NOAEC): 500 mg a.i./kg diet; (NOAEC):

62.1 mg a.i./kg-bw-diet

BEE TOXICITY

Honeybee (LD₅₀): >104 µg a.i./bee; (NOAEL): 294 mg a.i./kg

13. DISPOSAL CONSIDERATIONS

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

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:

Not regulated

IMDG:

UN3077, Environmentally Hazardous Substance, Solid, n.o.s. (chlorantraniliprole), 9, III, Marine Pollutant

IATA:

UN3077, Environmentally Hazardous Substance, Solid, n.o.s. (chlorantraniliprole), 9, III, 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

When used as directed, this product does not present a hazard to humans or domestic animals.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates, oysters and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.

15. REGULATORY INFORMATION (CONT.)

SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.

GROUND WATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

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

Not listed

SARA Title III – Section 312 Threshold Planning Quantity

Not listed

SARA Title III – Section 313 Reportable Ingredients

Not listed

CERCLA Reportable Quantity (RQ) –

Not listed

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other 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

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