



# MATERIAL SAFETY DATA SHEET

Date stamp: 25-Apr-2012

MSDS Ref. No.: E95176

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Ovation® SC (Suspension Concentrate Miticide)  
**Description:** Miticide

**Company**  
Everris NA Inc.  
P.O. Box 3310  
Dublin, OH 43016

**24-HOUR EMERGENCY TELEPHONE NUMBERS:**  
CHEMTREC (U.S.): 1-800-424-9300  
CHEMTREC (International): 1-703-527-3887  
Non-Emergency Calls: 1-800-492-8255

**EPA Registration No.:** 66222-53-58185  
**Formula No.:** S8364  
**Product Number(s):** E95176

## 2. HAZARDS IDENTIFICATION

### Labelling

**Signal word:** CAUTION

### Precautionary Statements

Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep out of reach of children.

### Potential health effects

**Eye contact:** Contact with eyes may cause irritation.

**Skin contact:** May cause skin irritation in susceptible persons.

**Ingestion:** Considered practically non-toxic.

**Inhalation:** May irritate respiratory tract tissues.

**Aggravated Medical Conditions:** Inhalation may aggravate asthma.

**Principle routes of exposure:** Skin, Inhalation, Ingestion, Eyes

**Target organ effects:** Irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS-No	Weight %
Other Ingredients	No CAS#	58
Clofentazine	74115-24-5	42

## 4. FIRST AID MEASURES

**Eye contact:** 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. Call a poison control center or doctor for treatment advice.

**Skin contact:** 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.

**Ingestion:** Call a physician or Poison Control Centre immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**Inhalation:** 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.

## 5. FIRE-FIGHTING MEASURES

**Flammable properties:** May burn under fire conditions.

**Suitable extinguishing media:** Water spray. Dry chemical.

**Explosion potential:** Dust at sufficient concentrations may form explosive mixtures with air.

**Explosive properties:** No information available.

**Hazardous combustion products:** Combustion can produce toxic fumes and irritating gases.

**5. FIRE-FIGHTING MEASURES**

**Fire fighting procedures:** Select appropriate method to surround and extinguish fire  
**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Avoid contact with skin, eyes and clothing.  
**Environmental precautions:** Prevent product from entering drains.  
**Methods for containment:** Use good housekeeping practices. Control spill with dykes and absorb with inert absorbant material. Pick up wash liquid with absorbant material and place in container for disposal.  
**Methods for cleaning up:** If material is contaminated, put in appropriate container and dispose.

**7. HANDLING AND STORAGE**

**Handling:** Read label. Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams or ponds.

**Storage:** Read label. Keep containers tightly closed in a cool, well-ventilated place. Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid contamination of feed and foodstuffs. Store in original container in area inaccessible to children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ingredients	ACGIH:	OSHA:
Clofentazine	Not Listed	Not Listed

**Engineering controls** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard

**Personal Protective Equipment**

**Eye/face protection** Protective eye wear is normally not required but suggested so contact can be avoided. Goggles. Face-shield. Safety glasses with side-shields.

**Skin and body protection:** Wear suitable protective clothing if contact is anticipated during manufacturing. To reduce exposure potential when applying product, wear long-sleeved shirt, long pants, shoes, and socks. Chemical resistant gloves. After using product, remove clothing and wash before reuse.

**Respiratory protection:** If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists, and fumes.

**Applicator PPE** Wear long-sleeve shirt, pants, shoes with socks, and gloves.  
**General hygiene considerations:** Wash hands before breaks and immediately after handling the product  
**Precautions:** Running water/eye wash station should be available.  
**Re-entry Interval:** 12 Hours.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b> Liquid	<b>Color:</b> Red, Violet
<b>Flash point:</b> No information available	<b>Appearance:</b> Viscous° F
<b>Odor:</b> None	<b>Solubility:</b> Soluble

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes.  
**Conditions to avoid** Extreme heat. Contact with strong alkalis, oxidizers, and reducing agents. Contact with fuels and other organic or combustible materials. Active metals such as aluminum, magnesium, and chlorine compounds.  
**Materials to avoid:** Strong acids, bases, oxidizers, and reducing agents.  
**Hazardous decomposition products:** Combustion may produce irritating gases and vapors. Toxic metal oxides may be produced.  
**Possibility of hazardous reactions:** Poses little or no immediate hazard.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**LD50/oral:** >5000 mg/kg, rat  
**LD50/dermal:** >2,400 mg/kg, rabbit  
**LC50/inhalation:** No information available  
**Eye effects:** Slight irritation  
**Skin effects:** Slight irritation  
**Sensitization:** No sensitization

**Chronic toxicity**

**Carcinogenic effects:** The table below indicates whether each agency has listed any ingredient as a carcinogen .

Ingredients	NTP:	IARC:	OSHA:
Clofentizine	Not listed	Not listed	Not listed

**Ingestion:** Ingestion may cause irritation to mucous membranes.  
**Inhalation:** May cause irritation of respiratory tract.  
**Target organ effects:** Irritation.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects:** May be toxic to aquatic organisms.  
**Persistence and degradability:** Degrades slowly.  
**Bioaccumulative potential:** No information available.  
**Mobility:** Resists leaching.  
**Aquatic toxicity:** Not considered to be toxic to aquatic organisms.  
**Additional ecological information:** Do not contaminate water sources when disposing of equipment washwaters.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Read and follow label instructions. If empty, do not reuse container. Dispose of in accordance with local regulations and national regulations. Do not place product down any indoor or outdoor drain.  
**Contaminated packaging:** Read and follow label instructions. Do not re-use empty containers. Triple rinse, then offer for recycling. Dispose of by incineration. Dispose of by burning.

**14. TRANSPORT INFORMATION**

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

**DOT (Land)** Not DOT regulated  
**DOT (AIR)** Not DOT regulated  
**DOT (Vessel)** Not DOT regulated

**15. REGULATORY INFORMATION**

Ingredients	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Clofentizine	74115-24-5	Not Listed	Not Listed

**General Information** Contact local authorities for disposal of large quantities of product

**16. OTHER INFORMATION**

**NFPA:** Health: 1 Flammability: 0 Reactivity: 0  
**HMIS:** Health: 1 Flammability: 0 Reactivity: 0

**Hazard Rating:** 0=Least; 1-Slight; 2=Moderate; 3=High; 4=Severe

**EPA FIFRA Comment:** Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**General comment:** This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

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