



# Safety Data Sheet

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Version: 1

## 1. IDENTIFICATION

**Product Identifier:**

**Product Name:** Ovation® SC (Suspension Concentrate Miticide)  
**Product Number(s):** E95176  
**Formula No.:** S8364

**Recommended Use of the Chemical and Restrictions on Use:**

**Description:** Miticide

**Company:**

Everris NA Inc.  
P.O. Box 3310  
Dublin, OH 43016  
EPA Registration No.: 66222-53-58185

**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

## 2. HAZARD(S) IDENTIFICATION

This product is regulated by the Environmental Protection Agency (EPA). For label precautionary text, see Section 15.

**OSHA Regulatory Status:** This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Sensitization

Category 1

**Label Elements:**

### Emergency Overview

**Warning**

**Hazard Statements:**

May cause an allergic skin reaction



**Appearance:** viscous

**Physical State:** liquid

**Odor:**

None

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

**Precautionary Statements - Response**

IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC):**

**Other Information:**

- Harmful to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS-No	Weight %	Trade Secret
Clofentazine	74115-24-5	40.74-43.26	*
1,2-Benzisothiazolin-3-one	2634-33-5	0.23-0.28	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST-AID MEASURES**

**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.
- 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.
- Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:**

**Notes to Physician:** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical, chemical foam.
- Unsuitable extinguishing media:** High volume water jet.
- Specific hazards:** No information available.
- Hazardous Combustion Products:** Nitrogen oxides (NOx). Hydrogen chloride.

**Explosion Data:**

**Sensitivity to Mechanical Impact:**  
no data available.  
**Sensitivity to Static Discharge:**  
no data available.

**Special Protective Equipment for Firefighters:** In the event of fire, wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures:**

**Personal Precautions:** Wear personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**Environmental Precautions:** Prevent product from entering drains. Avoid subsoil penetration.

**Methods and Material for Containment and Cleanup:**

**Methods for containment:** Prevent further leakage or spillage if safe to do so.  
**Methods for Cleanup:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean the floor with detergent and water. Do not flush to sewer.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling:**

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Use in accordance with product label instructions. Do not eat, drink, smoke, or apply cosmetics while handling this product. Do not breathe fumes/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. .

**Conditions for Safe Storage, Including any Incompatibilities:**

**Storage:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of reach of children. Keep/store only in original container. Store at ambient conditions. Do not contaminate water, food, or feed by storage disposal. .

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters:**

**Exposure Guidelines:**

Ingredients	CAS-No	ACGIH:	OSHA:	IDLH:
Clofentizine	74115-24-5	Not Listed	Not Listed	Not Listed
1,2-Benzisothiazolin-3-one	2634-33-5	Not Listed	Not Listed	Not Listed

**Appropriate Engineering Controls:**

**Engineering Measures to Reduce Exposure:** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

**Individual Protection Measures, Such as Personal Protective Equipment:**

**Eye/Face Protection:** Safety glasses with side shields or goggles.

**Skin and Body Protection:** Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear long-sleeved shirt, long pants, and shoes plus socks. Use chemical resistant gloves, such as P.V.C, butyl-rubber, nitrile-rubber, or neoprene.

**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.

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash it before reuse. 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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. .

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties:

<b>Physical State:</b>	liquid	<b>Appearance:</b>	viscous
<b>Color:</b>	red, violet	<b>Odor</b>	No information available
<b>Odor:</b>	None	<b>Threshold:</b>	

<u>Property</u>	<u>Values</u>	<u>Remarks: • Method</u>
<b>pH:</b>	6.0-7.5	
<b>Melting Point/Freezing Point:</b>	No information available	
<b>Boiling Point/Range:</b>	No information available	
<b>Flash Point:</b>	No information available	
<b>Evaporation Rate:</b>	No information available	
<b>Flammability (solid, gas):</b>	No information available	
<b>Flammability Limits in Air:</b>		
<b>Upper Flammability Limit:</b>	No information available	
<b>Lower Flammability Limit:</b>	No information available	
<b>Vapor Pressure:</b>	1.3 x 10 <sup>-7</sup> Pa @ 25°C	
<b>Vapor Density:</b>	No information available	
<b>Specific Gravity:</b>	No information available	
<b>Solubility:</b>	<1.0 mg/L @ 22°C, a.i. (water)	
<b>Solubility in other Solvents:</b>	No information available	
<b>Partition Coefficient:</b>	No information available	
<b>Autoignition Temperature:</b>	No information available	
<b>Decomposition Temperature:</b>	No information available	
<b>Kinematic Viscosity:</b>	No information available	
<b>Dynamic Viscosity:</b>	No information available	
<b>Explosive Properties:</b>	No information available	
<b>Oxidizing Properties:</b>	No information available	

### Other Information:

<b>Softening Point:</b>	No information available
<b>Molecular Weight:</b>	No information available
<b>VOC Content (%):</b>	No information available
<b>Density:</b>	9.9 lb/gal
<b>Bulk density:</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity:** Stable under normal conditions

**Chemically Stable:** yes.

**Conditions to Avoid:** Keep out of reach of children.

**Materials to avoid** None known.

**Hazardous Decomposition Products:** Nitrogen oxides (NOx). Hydrogen chloride.

**Possibility of Hazardous Reactions:** Poses little or no immediate hazard.

**11. TOXICOLOGICAL INFORMATION**

**Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):**

**Eye effects:** Contact with eyes may cause irritation

**Skin effects:** May cause skin irritation

**Ingestion:** Ingestion may cause irritation to mucous membranes.

**Inhalation:** May cause irritation of respiratory tract.

**Component Information:**

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Clofentazine 74115-24-5	>3200 mg/kg (Rat)	>1332 mg/kg (Rat)	> 9 g/m <sup>3</sup> ( Rat ) 4 h
1,2-Benzisothiazolin-3-one 2634-33-5	= 1020 mg/kg ( Rat )	-	-

**Information on Toxicological Effects:**

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:**

**Sensitization:** May cause an allergic skin reaction

**Mutagenic effects** No information available.

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive Toxicity** No information available.

**STOT - Single Exposure** No information available.

**STOT - Repeated Exposure** No information available.

**Aspiration Hazard** No information available.

**Numerical Measures of Toxicity - Product Information:**

**LD50/oral:** > 5000 mg/kg Rat

**LD50/dermal:** > 2,400 mg/kg Rabbit

**LC50/inhalation:** No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

**Unknown Aquatic Toxicity:** 58% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects:** For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply within 100 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, and commercial fish farm ponds. Do not apply when weather conditions favor drift from treated area. Do not allow spray drift off of crop, especially when spraying outer rows. Always direct spray into the orchard. Do not contaminate water when disposing of equipment washwaters or rinsate. .

**Persistence and degradability:** Degrades slowly.

Ingredients	LOGPOW
1,2-Benzisothiazolin-3-one 2634-33-5	1.3

**Mobility:** Resists leaching.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods:**

**Disposal of Wastes:** Pesticide wastes are toxic. 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 of the nearest EPA Regional Office for guidance. .

**Contaminated Packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**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  
**IATA (Air)** Not regulated  
**IMO/IMDG (Vessel)** This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**Federal Regulations:**

**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories:**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act):**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA:**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**State Regulations (RTK):**

**California Proposition 65:**

**U.S. State Right-to-Know Regulations:**

**U.S. EPA Label information:**

**EPA Pesticide Registration Number:**

66222-53-58185

**EPA Statement:**

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. Following is the hazard information as required on the pesticide label:

**EPA Pesticide label:**

Caution

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

<b>16. OTHER INFORMATION</b>
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**NFPA:**      Health: 1                      Flammability: 0                      Reactivity: 0

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

**Revision Date:**                      19-May-2015

**Revision Note:**

**Reason for revision:**                      None

**Disclaimer**

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**End of Safety Data Sheet**