

NOTAVO™

EPA Registration Number: 53883-428-59807

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name : NOTAVO™

Chemical Family : Tetrazines

Chemical Name of

Active Ingredient(s) : Clofentezine

EPA Registration No. : 53883-428-59807

Recommended Use : Ovicide/miticide.

Restrictions on Use : See product label for any restrictions on the use of this product.

Company information : OHP, Inc.
PO Box 746
Bluffton, SC 29910-0746
(800) 659-6745

Emergency telephone number

FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT:

(24 hours a day) call : Chemtrec: 1-800-424-9300

FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT (24 hours a day) and Product Information call : 1-800-356-4647

SDS Information or

Request : ohp.com

2. HAZARD(S) IDENTIFICATION

This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information. The product contains no substances which, at their given concentration, are considered to be hazardous to health.

Appearance : Viscous magenta liquid

Physical State : Viscous liquid

Odor : Odorless

Classification

Acute toxicity – Inhalation (Dusts/Mists) Category 4

Hazards Not Otherwise

Classified (HNOC) : May be harmful in contact with skin

Signal Word : Warning

Hazard Statements : Harmful if inhaled



Precautionary Statements -

Prevention : Avoid breathing dust/mist
Use only outdoors or in a well-ventilated area

Precautionary Statements -

Response : IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a poison center/doctor if you feel unwell

Precautionary Statements -

Disposal : Dispose of contents/container to an approved waste disposal plant

Other Hazards : Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight - %
Clofentezine	74115-24-5	40.74-43.26
Proprietary Additive	Proprietary	<1

** If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

General Advice : When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye Contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

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

Inhalation : Give oxygen if breathing is difficult. If breathing has stopped, call 911, give artificial respiration. Call a poison control center or doctor for further treatment advice.

Ingestion : Immediately call a poison center or doctor/physician. Do not induce vomiting, unless directed by medical personnel. Never give anything by mouth to an unconscious person.

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Most important symptoms and effects

Symptoms: May cause mild eye irritation. Substance may cause slight skin irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician.: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing

Media.: Water spray (fog). Foam.
Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing

Media.: Not determined.

Specific Hazards Arising

from the Chemical: Not determined.

Hazardous Combustion

Products: Nitrogen oxides (NO_x).
Hydrogen chloride.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Wear protective clothing as described in Section 8 of this safety data sheet. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Environmental

Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for

Containment.: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Absorb with inert material, and then place in suitable container for chemical waste. Clean the floor with detergent and water. Do not flush to sewer.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe 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. Use in accordance with product label instructions. Do not eat, drink, smoke, or apply cosmetics while handling this product. Do not breathe dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities

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

Incompatible Materials: None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines.: The following information is given as general guidance

Appropriate engineering controls

Engineering Controls: Please refer to the product label. Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Wear safety glasses with side shields (or goggles). Goggles are recommended.

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: NIOSH-approved respirator or mask in the absence of adequate ventilation.

General Hygiene

Considerations.: Handle in accordance with good industrial hygiene and safety practice. Wash

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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

Information on basic physical and chemical properties

- Physical State**: Viscous liquid
- Appearance**: Viscous magenta liquid
- Color**: Magenta
- Odor**: Odorless
- Odor Threshold**: Not determined

Property	Values
pH	6.0-7.5
Melting Point/ Freezing Point	Not determined
Boiling Point/ Boiling Range	Not determined
Flash Point	Not determined
Evaporation Rate	Not determined
Flammability (Solid, Gas)	Liquid-not applicable
Upper Flammability Limits	Not determined
Lower Flammability Limit	Not determined
Vapor Pressure	1.3 x 10 ⁻⁷ Pa @ (25°C)
Vapor Density	Not determined
Specific Gravity	Not determined
Water Solubility	<1.0 mg/L (22°C, a.i.)
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined

- Dynamic Viscosity**: Not determined
- Explosive Properties**: Not determined
- Oxidizing Properties**: Not determined
- Density**: 9.9 lb/gal

10. STABILITY AND REACTIVITY

- Reactivity**: Not reactive under normal conditions.
- Chemical Stability**: Stable under recommended storage conditions.
- Possibility of
Hazardous Reactions**: None under normal processing.
- Hazardous
Polymerization**: Hazardous polymerization does not occur.
- Conditions to Avoid**: Keep out of reach of children.
- Incompatible Materials**: None known based on information supplied.
- Hazardous Decomposition
Products**: Nitrogen oxides (NO_x).
Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

- Eye Contact**: Avoid contact with eyes.
- Skin Contact**: May be harmful in contact with skin.
- Inhalation**: Harmful if inhaled.
- Ingestion**: Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Clofentezine 74115-24-5	> 3200 mg/kg (Rat)	> 1332 mg/kg (Rat)	> 9 g/m ³ (Rat) 4 h
Proprietary Additive	= 1020 mg/kg (Rat)		

Information on physical, chemical and toxicological effects

- Symptoms**: Please see section 4 of this SDS for symptoms.

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Delayed and immediate effects as well as chronic effects from short and long-term exposure

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

Product Information (Numerical measures of toxicity)

Acute Oral LD50 (Rat): >5,000 mg/kg

Acute Dermal LD50 (Rabbit): >2,400 mg/kg

Acute Inhalation LC50 (Rat): Not determined

Eye Irritation: Slightly irritating.

Dermal Irritation: Mildly irritating.

Dermal Sensitization: Not a sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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 to 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

Degradability: Not determined.

Bioaccumulation: Not determined.

Mobility

Chemical Name	Partition Coefficient
Proprietary Additive	1.3

Other Adverse Effects: Not determined

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. TRANSPORTATION INFORMATION

DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS
Clofentezine				Present	
Proprietary Additive	Present	X		Present	

Chemical Name	ENCS	IECSC	KECL	PICCS	AICS
Clofentezine			Present		X
Proprietary Additive	Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/
 European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances IECSC - China
 Inventory of Existing Chemical Substances KECL - Korean Existing and
 Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

SARA 313: Not determined

US State Regulations

California

Proposition 65: This product does not contain any Proposition 65 chemicals.

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U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Clofentezine 74115-24-5	X		

EPA Pesticide Registration Number 66222-53-59807

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

Signal Word : Caution

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

Difference between SDS and EPA pesticide label

	EPA	OSHA
Signal Word	Caution	Warning
Acute toxicity - Dermal	N/A	May be harmful in contact with skin
Acute toxicity – Inhalation	N/A	Harmful if inhaled

16. OTHER INFORMATION

NFPA

Health Hazards	Flammability	Instability	Special Hazards
1	0	0	None

HMIS

Health Hazards	Flammability	Physical Hazards	Personal Protection
1	0	0	See section 8

Revision Date: : October 11, 2017

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.