

## 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 (CO<sub>2</sub>). Dry chemical.

**Unsuitable Extinguishing**

**Media.** . . . . . : Not determined.

**Specific Hazards Arising**

**from the Chemical** . . . . . : Not determined.

**Hazardous Combustion**

**Products** . . . . . : Nitrogen oxides (NO<sub>x</sub>).  
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
<b>pH</b> . . . . .	6.0-7.5
<b>Melting Point/ Freezing Point</b> . . . . .	Not determined
<b>Boiling Point/ Boiling Range</b> . . . . .	Not determined
<b>Flash Point</b> . . . . .	Not determined
<b>Evaporation Rate</b> . . . . .	Not determined
<b>Flammability (Solid, Gas)</b> . . . . .	Liquid-not applicable
<b>Upper Flammability Limits</b> . . . . .	Not determined
<b>Lower Flammability Limit</b> . . . . .	Not determined
<b>Vapor Pressure</b> . . . . .	1.3 x 10 <sup>-7</sup> Pa @ (25°C)
<b>Vapor Density</b> . . . . .	Not determined
<b>Specific Gravity</b> . . . . .	Not determined
<b>Water Solubility</b> . . . . .	<1.0 mg/L (22°C, a.i.)
<b>Solubility in other solvents</b> . . . . .	Not determined
<b>Partition Coefficient</b> . . . . .	Not determined
<b>Auto-ignition Temperature</b> . . . . .	Not determined
<b>Decomposition Temperature</b> . . . . .	Not determined
<b>Kinematic Viscosity</b> . . . . .	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<sub>x</sub>).  
 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 <sup>3</sup> (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
<b>Signal Word</b>	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.