

## Section 1 – Chemical Product and Company Identification

SDS Name: Piperonal, thiosemicarbazone

Use Of Substance: Chemical Reagent

Synonyms: N/A

Reach Registration: Not yet Registered.

Company: Optima Chemicals Group, LLC  
200 Willacoochee Hwy.  
Douglas, Georgia 31533  
Telephone (912) 384-5101 FAX (912) 384-6330  
Emergencies: Telephone (912) 384-5101  
For chemical emergencies call CHEMTREC 800-424-9300, International +1 703-527-3887



## Section 2 – Hazards Identification

**OSHA Hazards:** No known OSHA hazards

**GHS Label Elements:**

**Pictogram:**



**Signal Word:** **Warning**

**Hazard Statements:**

|      |                            |
|------|----------------------------|
| H302 | Harmful if swallowed       |
| H315 | Irritating to Skin         |
| H320 | Irritating to eyes         |
| H333 | May be harmful if inhaled. |

**Precautionary Statements:**

|                  |   |
|------------------|---|
| P280             | Wear protective gloves/clothing/eye and face protection |
| P261             | Avoid breathing dust                                    |
| P262             | Do not get in eyes, on skin, or clothing                |
| P264             | Wash thoroughly after handling                          |
| P305, P351, P338 | If in eyes rinse with water for several minutes.        |
| P337, P313       | If eye irritation persists, get medical attention       |

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

### Section 3 – Composition, Information on Ingredients

| <u>CAS #</u> | <u>Chemical Name</u>         | <u>%</u> | <u>OSHA-PEL</u> |
|--------------|------------------------------|----------|-----------------|
| 5351-85-9    | Piperonal, thiosemicarbazone | 100      | N/A             |

### Section 4 – First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, lifting upper and lower lids. Seek medical attention.

Skin: Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing.

Ingestion: May cause irritation of the digestive tract. Wash mouth out with water.

Inhalation: Causes respiratory tract irritation. Remove from exposure, to fresh air immediately.

### Section 5 – Fire Fighting Measures

Explosion: Avoid generating dust: fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Fire Extinguishing Agents Recommended: Water Fog, CO<sub>2</sub>, dry chemical powder, or appropriate foam.

Fire Extinguishing Agents to Avoid: None

Special Fire fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: May emit irritating fumes under fire conditions.

### Section 6 – Accidental Release Measures

Large Spills: Contain the spill, wet the material with a light water spray, and place into appropriate containers for disposal.

Small Spills: Contain the spill, wet the material with a light water spray, and place into appropriate containers for disposal.

The material is Non-Hazardous, however, disposal should be done only through an approved waste disposal facility.

### **Section 7 - Handling and Storage**

**Handling:** Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Avoid breathing dust, and contact with skin and eyes.

**Storage:** Store in cool, dry place. Store in tightly closed container.

### **Section 8 – Exposure Controls, Personal Protection**

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**Eyes:** Wear appropriate protective eyeglasses or chemical goggles.

**Skin:** Wear appropriate protective clothing and gloves to prevent skin exposure.

**Respiratory:** Wear NIOSH/MSHA approved respirator. Approved dust masks are effective.

### **Section 9 – Physical and Chemical Properties**

**Appearance and Odor:** White to off-white powder, Vinegar odor.

**Melting Point:** N/A

**Boiling Point:** Unkown

**Flash Point:** N/A

**Vapor Pressure:** N/A

**Specific Gravity:** N/A

**pH:** N/A

**Water Solubility:** N/A

**Molecular Formula:** C<sub>9</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub>S

**Molecular Weight:** 223.25

### **Section 10 – Stability and Reactivity**

**Stability:** stable under normal handling conditions.

**Incompatibility:** None Known

Hazardous Polymerization: None expected.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide upon thermal decomposition at flame temperatures.

Conditions to Avoid: None Known

### **Section 11 – Toxicological Information**

No LD50 or LC 50 information available

Acute Toxicity: Irritation of the eyes and skin.

Chronic Toxicity: Not listed as a Carcinogen by ACGIH, IARC, NIOSH, NTP, or OSHA.

Toxicological properties have not been full investigated.

### **Section 12 – Ecological Information**

No information available.

### **Section 13 – Disposal Considerations**

This material is non-hazardous, but must be disposed of in accordance with federal, state, and local regulations.

### **Section 14 – Transport Information**

DOT Shipping Name: Piperonal Thiosemicarbazone , Non-Hazardous.

DOT Hazardous Class: Not Regulated

### **Section 15 – Regulatory Information**

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Risk Phrases: R 36/37/38 – Irritating to eyes, skin, and respiratory system.

Safety Phrases: S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical aid, S 37/39 – Wear suitable gloves and eye/face protection.

TSCA: Listed on inventory

SARA Title 111 Reporting Requirements:

Section 311/312 Inventory reporting hazard categories: Acute

Section 313 Release reporting: Not required

Reportable Quantity: Not applicable

### **Section 16 – Additional Information**

Creation Date: 07/01/97    Revised: 08/03/2012, 09/18/2013

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