



# SAFETY DATA SHEET

Issue Date: 29-Jul-2016

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Version: 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

**Product Name:** HY-END Wasp, Hornet, Bee & Ant Spray  
**EPA Registration Number:** 1021-1613-83996

### Other means of identification

### Recommended use of the chemical and restrictions on use:

**Recommended Use:** Aerosol Insecticide.

### Details of the supplier of the safety data sheet

### **Manufactured For:**

NaturChem, Inc  
270 Bruner Road  
Lexington, SC 29072  
Telephone Number: (803) 957-8989

## 2. HAZARDS IDENTIFICATION

### Classification

### **OSHA Regulatory Status:**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Aspiration toxicity	Category 1
Flammable aerosol	Category 2
Gases under pressure	Compressed gas

### Label elements

### Emergency Overview

### **DANGER**

### **Hazard statements**

- H304 - May be fatal if swallowed and enters airways
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H223 - Flammable aerosol

• H280 - Contains gas under pressure; may explode if heated



**Appearance:** Clear , colorless Liquid  
(Aerosol Non-volatiles)

**Physical state:** Aerosol -  
Compressed gas

**Odor** Sweet , Strong Solvent

**Precautionary Statements - Prevention:**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P211 - Do not spray on an open flame or other ignition source

P251 - Pressurized container: Do not pierce or burn, even after use

**Precautionary Statements - Response:**

P321 - Specific treatment (see Section 4/ First Aid).

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

**Precautionary Statements - Storage:**

P403 - Store in a well-ventilated place

P405 - Store locked up

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F

**Precautionary Statements - Disposal:**

P501 - Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC):**

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Tetramethrin (NEO-Pynamin®)	7696-12-0	0.200
Esfenvalerate	66230-04-4	0.031
Petroleum distillates, hydrotreated light	64742-47-8	90<--->95 *
Carbon dioxide	124-38-9	< 5 *

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

Comments: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

### 4. FIRST AID MEASURES

**Aspiration pneumonia hazard:** • May be fatal if swallowed and enters airways.

**Description of first aid measures:**

<b>Eye contact:</b>	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 eye. Call a poison control center or doctor for treatment advice.
<b>Skin Contact:</b>	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.
<b>Ingestion:</b>	If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give <b>any</b> liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Remove affected 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.
<b>Self-protection of the First Responder:</b>	Use personal protective equipment as required.
<b>Note to physicians:</b>	Contains petroleum distillates – vomiting may cause aspiration pneumonia.  For skin effects, a highly efficient therapeutic agent for Pyrethrin/ Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E).

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **Unsuitable extinguishing media:**

Caution: Use of water spray when fighting fire may be inefficient.

**Hazardous combustion products:** Hydrogen cyanide, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

### Specific hazards arising from the chemical

No information available.

### Explosion data

**Sensitivity to Mechanical Impact:** None.

**Sensitivity to Static Discharge:** None.

### 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.

<b>NFPA</b>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties
<b>HMIS</b>	Health hazards 1	Flammability 1	Physical hazards 0	- Personal protection X

**Chronic Hazard Star Legend** \* = Chronic Health Hazard

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Environmental precautions:** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment:** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Dam up. Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling:** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. For more information, see product label.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. For more information, see product label.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Supplier OEL
Petroleum distillates, hydrotreated light 64742-47-8	-	-	-	TWA: 100 ppm TWA: 525 mg/m <sup>3</sup>
Carbon dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m <sup>3</sup> (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m <sup>3</sup>	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 30000 ppm STEL: 54000 mg/m <sup>3</sup>	-

*NIOSH IDLH Immediately Dangerous to Life or Health*

**Other Information:** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls:** Safety showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** Tight sealing safety goggles. Face protection shield.

**Skin and body protection:** Wear protective gloves and protective clothing.

**Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations:** When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties:**

**Physical state:** Aerosol - Compressed gas  
**Appearance:** Clear , colorless Liquid (Aerosol Non-volatiles)  
**Odor** Sweet , Strong Solvent  
**Odor threshold:** No information available  
**Color (Gardner Scale):** 1

<u>Property:</u>	<u>Values:</u>	<u>Comment: • Method</u>
<b>pH:</b>	7.6	@ 5% in H <sub>2</sub> O. Test was performed on aerosol Non-Volatile's. .
<b>Melting point / freezing point:</b>	No information available	
<b>Boiling point / boiling range:</b>	No information available	
<b>Flash point:</b>	> 93.3 °C / > 200.0 °F	Tag Closed Cup; Test was performed on aerosol Non-Volatile's;
<b>Evaporation rate:</b>	No information available	
<b>Flammability (solid, gas):</b>	No information available	
<b>Upper flammability limit (UEL):</b>	No information available	
<b>Lower flammability limit (LEL):</b>	No information available	
<b>Vapor pressure:</b>	No information available	
<b>Vapor density:</b>	No information available	
<b>Specific Gravity:</b>	No information available	
<b>Water solubility:</b>	No information available	
<b>Partition coefficient; n-Octanol/ Water:</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>	9.5 cPs @ 20.5°C.	Test was performed on aerosol Non-Volatile's.
<b>Refractive Index:</b>	1.4349	@ 25°C (77°F)

**Other Information:**

Density: 0.782 g/cm<sup>3</sup> @ 20.0 °C (Aerosol Non-volatiles)  
VOC Content (%): 0.23

**Miscibility/ Solubility:**

Water: Immiscible  
Alcohol Miscible  
Aromatic solvents: Miscible  
Petroleum distillates: Miscible

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**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**

Extremes of temperature and direct sunlight.

**Incompatible materials:**

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**Hazardous Decomposition Products**

Hydrogen cyanide, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

Oral LD<sub>50</sub> >5,000 mg/kg (rat)  
Dermal LD<sub>50</sub> >2,000 mg/kg (rabbit)  
Inhalation LC<sub>50</sub> 5.68 mg/L, (rat; 4 hours)  
Eye contact: Irritation clearing in 48 hours. (rabbit).  
Skin Contact: No irritation at 72 hours. (rabbit).  
Skin Irritation Index: 0.04

**Sensitization:** Negative. (guinea pig).

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

**Reproductive toxicity:** No information available.  
**Developmental Toxicity** No information available.  
**Teratogenicity:** No information available.  
**STOT - single exposure:** No information available.  
**STOT - repeated exposure:** No information available.  
**Chronic toxicity:** Avoid repeated exposure.  
**Target Organ Effects:** Central Vascular System (CVS), Respiratory system.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

#### Persistence and degradability

No information available.

#### Bioaccumulation

No information available.

**Other adverse effects:** No information available

#### Environmental hazards (EPA):

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

**Contaminated packaging:** For more information, see product label.

## 14. TRANSPORT INFORMATION

### DOT (Department of Transportation)

<b>UN/ID Number:</b>	UN1950
<b>Proper Shipping Name:</b>	Aerosols, flammable
<b>Hazard Class:</b>	2.1

### Air (IATA/ ICAO)

<b>UN/ID Number:</b>	UN1950
<b>Proper Shipping Name:</b>	Aerosols, flammable
<b>Hazard Class:</b>	2.1

**Vessel (IMO/ IMDG)** Not available

## 15. REGULATORY INFORMATION

### US 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**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	Yes
Reactive Hazard	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

**US State Regulations:****California Proposition 65:**

This product does not contain any Proposition 65 chemicals

**U.S. EPA Label Information:**

**EPA Registration Number:** 1021-1613

**Difference between SDS and EPA (FIFRA) Pesticide label:**

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below:

Signal word: **CAUTION**

**Precautionary Statements:**

- Harmful if absorbed through the skin.

**International:**

TSCA	Complies
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Does not comply
AICS	Complies

**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

<b>16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION.</b>
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**Issue Date:**

29-Jul-2016

**Revision Date:**

29-Jul-2016

**Revision Note:**

- SDS sections updated

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**Disclaimer:**

The data contained herein are based on information currently available to Naturchem, Inc and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which Naturchem, Inc assumes legal responsibility.

**End of Safety Data Sheet.**