

MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products
3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114

State Chemical Ltd.
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Zero In WAS Wasp & Hornet Killer**
Product Description: Wasp and hornet insecticide.
EPA Registration Number: 1021-1649-70799
EPA Establishment Number: 10900-OH-1; 11694-KS-1

24 Hour Emergency CHEMTREC Number: 800-424-9300
MSDS Number: 103285
Canadian PCP Number: 28380

2. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredients

	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Tetramethrin [(1-Cyclohexene-1, 2-dicarboximido) methyl-2,2-dimethyl-3-(2-methylpropenyl) cyclopropanecarboxylate]	7696-12-0	0.200%	10 mg/m ³	15 mg/m ³
3-Phenoxbenzyl-(1RS, 3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate	26002-80-2	0.125%	NE	NE

Hazardous Ingredients

	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Isoparaffinic Hydrocarbon	64742-47-8	< 97%	NE	NE
Carbon Dioxide	124-38-9	< 5.00%	5000 ppm	5000 ppm

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Contents under pressure. Keep away from heat or flame. Do not expose to temperatures above 120°F. May cause eye, skin, and respiratory tract irritation. Harmful if swallowed. Always wear safety glasses and appropriate personal protective equipment when handling this product. Avoid breathing vapors or spray mists of this product. Do not puncture or incinerate.

POTENTIAL HEALTH EFFECTS

Eye Contact: Causes temporary eye irritation, tearing and blurred vision.
Skin Contact: Can cause burning sensation on more sensitive areas (face, eyes, mouth). Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.
Inhalation: Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous system disorders, such as fatigue, dizziness, headache, lack of coordination, tremors and unconsciousness.
Ingestion: Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headache, lack of coordination, tremors and unconsciousness.
General: Individuals with pre-existing disorders of the liver, kidneys, skin or peripheral nervous system may have increased susceptibility to the toxicity of excessive exposures.

4. FIRST AID MEASURES

Eye Contact: Immediately flush with water for at least 15 minutes holding eyes open. If irritation persists, seek medical attention.
Skin Contact: Immediately wash with water for at least 15 minutes. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.
Inhalation: Remove affected person to fresh air. Give oxygen if necessary. If irritation persists, seek medical attention.
Ingestion: If swallowed call a physician or poison control center immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint(Method): Based on Aliphatic Petroleum Distillates 140°F T.C.C. This product is classified as a flammable aerosol.
Lower Explosive Limit(LEL): NA **Upper Explosive Limit(UEL):** NA **Autoignition Temperature:** NA
Fire and Explosion Hazards: Heated cans may burst.
Extinguishing Media: Carbon dioxide, foam or dry chemical.
Fire Fighting Instructions: Treat as an oil fire. Wear self-contained breathing apparatus and full protective clothing. Keep containers cool with water stream.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area and remove with inert absorbent. Dispose of in accordance with all Federal, State and Local Regulations regarding waste disposal. Product as supplied is a DOO1 unspecified ignitable waste.

7. HANDLING AND STORAGE

Do not smoke while using. Keep away from heat, sparks or open flame. Avoid contact with eyes, skin and clothing. When spraying more than one can consecutively, use NIOSH-approved respirator. Do not use in commercial food processing, preparation, food storage or serving areas. Remove pets, birds and cover fish aquariums before spraying. Keep out of reach of children. Wash thoroughly after handling. Store at temperatures below 120°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Mechanical ventilation should be use when handling this product in enclosed spaces.
Personal Protective Equipment:
Respiratory: Wear a NIOSH-approved organic vapor respirator if TLV limit is exceeded.
Eye: Wear OSHA-approved safety glasses with side shields, goggles or face shield.
Skin: Wear chemically impervious gloves such as Neoprene or Nitrile.
Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light amber.	Odor:	Solvent.
Physical State:	Liquid aerosol.	pH:	NA
Vapor Pressure:	NA	Vapor Density :	NA
Boiling Point:	NA	Freezing/Melting Point:	NA
Solubility:	Insoluble.	Specific Gravity(water=1):	0.786
Product Weight:	6.55 lbs/gal	VOC Content:	1.5%

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous Polymerization: Will not occur.
Incompatibility: Not compatible with strong oxidizers, strong acids, strong alkalis.
Hazardous Decomposition Products: Carbon dioxide, Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains no ingredient at 0.1% or greater that is listed as a human carcinogen.

<u>Ingredients</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Tetramethrin [(1-Cyclohexene-1, 2-dicarboximido) methyl-2,2-dimethyl-3-(2-methylpropenyl) cyclopropanecarboxylate]	7696-12-0	>20 g/kg (oral rat)	>2.74 mg/l air/3 hr (rat)
3-Phenoxbenzyl-(1RS, 3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate	26002-80-2	890 mg/kg (oral rat)	>3760 mg/cu m/4 hr (rat)
Isoparaffinic Hydrocarbon	64742-47-8	>5000 mg/kg (oral rat)	>2500 ppm/4 hr (rat)
Carbon Dioxide	124-38-9	NE	240 mg/l/1 hour (trout)

12. ECOLOGICAL INFORMATION

This product is toxic to fish and other vertebrates. For terrestrial use, do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high water mark.

13. DISPOSAL CONSIDERATIONS

Refasten protective cap on container. Securely wrap in several layers of newspaper and discard in trash. Do not incinerate or puncture. Dispose of in accordance with all Federal, State and Local Regulations regarding pollution and waste disposal. Product as supplied is a D001 unspecified ignitable waste.

14. TRANSPORT INFORMATION

DOT Shipping Data: Consumer Commodity, ORM-D
Canadian TDG: Shipped in accordance with 49 CFR as part of a transborder shipment authorized under Section 5.2 (1) of the Canadian Transportation of Dangerous Goods.
For International Shipments by Air: Aerosols, Flammable, 2.1, UN1950.
For International Shipments by Vessel: Aerosols, Flammable, 2.1, UN1950, Limited Quantity.

15. REGULATORY INFORMATION

TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.
CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.
Proposition 65: This product contains no toxic chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
VOC: This product as regulated by California and other states, is classified as a "Wasp and Hornet Insecticide" with a maximum VOC content of 40%.
SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372):
Tetramethrin [(1-Cyclohexene-1, 2-dicarboximido) methyl-2,2-dimethyl-3-(2-methylpropenyl) cyclopropanecarboxylate] 7696-12-0 0.200%
3-Phenoxbenzyl-(1RS, 3RS; 1RS, 3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate 26002-80-2 0.125%

HMIS RATING: Health = 1 Flammability = 2 Reactivity = 1 PPE = B
WHMIS RATING: Not regulated by WHMIS.

16. OTHER INFORMATION

NA = Not available or Not applicable
NE = Not established

Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

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