



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Wasp & Hornet Killer
RED LION PART NUMBER: 74161
PRODUCT TYPE: Pesticide
CHEMICAL FAMILY: N/A

DATE PREPARED: 7/29/96

CHROMATE INDUSTRIAL CORPORATION
 100 DaVinci Drive, Bohemia, NY 11716 • (888) 567-2206

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	OSHA PEL	ACGIH TLV	STEL	CAS #
Tetramethrin*	0.1	N/D	N/D	N/D	7696-12-0
Permethrin*	0.25	N/D	N/D	N/D	52645-53-1
Piperonyl Butoxide*	0.5	N/D	N/D	N/D	51-03-6
Mineral Spirits	9	100 ppm	100 ppm	N/D	64742-88-7
Mineral Spirits 140-Flash	88	100 ppm	100 ppm	N/D	64742-88-7
Carbon Dioxide	3	5,000 ppm	5,000 ppm	N/D	124-38-9

* An asterisk (*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Inhalation, Skin, Eyes

EFFECTS OF OVEREXPOSURE:

INHALATION: May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Headache, dizziness, nausea and loss of coordination are indications of excessive exposure to vapors or spray mists.

SKIN CONTACT: Redness and itching or burning sensation may indicate excessive skin exposure.

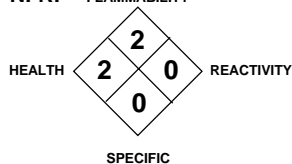
EYE CONTACT: Irritation. Redness and itching or burning sensation may indicate excessive eye exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None generally recognized.

CHRONIC HEALTH HAZARDS: Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary and reproductive system. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

HAZARD RATINGS

NFR: FLAMMABILITY



HMIS:

2	HEALTH
2	FLAMMABILITY
0	REACTIVITY
B	PROTECTION

4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove victim to ventilated area. Apply artificial respiration if necessary. Keep warm and quiet.

INGESTION: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Call a physician or Poison Control Center immediately. Vomiting may cause aspiration pneumonia.

SKIN CONTACT: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

EYE CONTACT: Flush eyes with large amounts of water for 15 minutes. Contact a physician if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD USE): 133°F **FLAMMABLE LIMITS:** LEL 0.9 UEL 12.7

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam

FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

UNUSUAL AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolated from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Remove all sources of ignition. Ventilate and remove with inert absorbent.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS: Contents are FLAMMABLE. Keep away from heat, sparks and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Exposure to temperatures above 130oF may cause bursting. Consult NFPA Code. Use approved Bonding and Grounding procedures. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE: Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particular respirator approved by NIOSH/MSHA for protection against materials in Section II.

EYE PROTECTION: Wear safety spectacles with unperforated sideshields.

OTHER EQUIPMENT: Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EXPOSURE GUIDELINES: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: <0 to 416°F

VAPOR PRESSURE PSIG at 70°F: N/D

VAPOR DENSITY (AIR = 1): Heavier than air

SOLUBILITY IN WATER: N/A

% VOLATILE BY VOLUME: 99% **VOLATILE WEIGHT:** 96.5 (Theoretical)

APPEARANCE AND ODOR: Odorless to faint deodorized kerosene odor

PRODUCT WEIGHT: 6.55 lb./gal.

SPECIFIC GRAVITY (H₂O = 1): 0.79

MELTING POINT: N/A

pH: N/A **VISCOSITY:** 20.9 cp @ 22°C

EVAPORATION RATE: Slower than Ether

FORM: Liquid **VOLATILE COMPONENTS:** N/D

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: High temperatures

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon dioxide, carbon monoxide

11. TOXICOLOGICAL INFORMATION

ACUTE STUDIES: Acute toxicity data is bridged from a similar product; Tetraperm Wasp & Hornet Killer FEQ 24, EPA Reg. No. 432-776, which contains 0.15% Tetramethrin, 0.375% Permethrin, and 0.75% Piperonyl Butoxide.

EYE: Moderately irritating.

SKIN: Slightly irritating. **Absorption:** LD 50 > 5,000 mg/kg. **Sensitization:** Positive

ACUTE ORAL EFFECTS: LD50 > 5,000 mg/kg

ACUTE INHALATION EFFECTS: 4-Hour LC0 > 4.73 mg/L 1-Hour equivalent LC50 > 18.92 mg/L (for DOT classification).

CHRONIC (CANCER INFORMATION): A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks. A statistically significant increase in the number of benign liver tumors appeared in mice fed piperonyl butoxide technical at doses which far exceed any anticipated daily human intake. Independent and industry toxicological experts who have reviewed the data agree that the findings of the study do not indicate a health risk to human beings.

CARCINOGENICITY: NTP: Not Listed

IARC MONOGRAPH: Not Listed

OSHA REGULATED: Not Regulated

TERATOLOGY: No data available.

REPRODUCTION: No data available.

MUTAGENICITY: No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish and aquatic invertebrates. Do not apply directly to water.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State and Local regulations regarding pollution.

14. TRANSPORT INFORMATION

TRANSPORTATION REQUIREMENTS (49CFR172-101)

D.O.T. CLASSIFICATION: Hazard Class: 2.2 **DOT Identification #:** UN1950 **DOT Shipping Label:** Nonflammable gas

D.O.T. SHIPPING NAME: Aerosols, nonflammable

15. REGULATORY INFORMATION

REGULATED INGREDIENTS:

INGREDIENT: Tetramethrin

CAS NUMBER: 7696-12-0 **% BY WEIGHT:** = 0.1

Regulations: SARA Section 313 Toxic Chemical

INGREDIENT: Permethrin

CAS NUMBER: 52645-63-1 **% BY WEIGHT:** = 0.25

Regulations: Massachusetts Hazardous Substance
New Jersey Workplace Hazardous Substance
SARA Section 313 Toxic Chemical

INGREDIENT: Piperonyl Butoxide

CAS NUMBER: 51-03-6 **% BY WEIGHT:** = 0.5

Regulations: SARA Section 313 Toxic Chemical

INGREDIENT: Carbon Dioxide

CAS NUMBER: 124-38-9 **BY WEIGHT:** >2

Regulations: Illinois Toxic Substance
Massachusetts Hazardous Substance
New Jersey Workplace Hazardous Substance
Pennsylvania Workplace Hazardous Substance

16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.