

ITEM NUMBER: 006 - LICE KILLER 13 OZ. (MSDS) MATERIAL SAFETY DATA SHEET 0R300036

IDENTITY (As Used On Label and List): LICE KILLER 13 OZ.  
Emergency Medical Telephone Number 800-228-5635 (24 HRS)  
PRODUCT HAZARD RATINGS: Health = 2, Fire = 4, Reactivity = 0, Protective Equipment = \*B (HMIG)  
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

Section I

SPRAYWAY INC.  
484 VISTA  
ADDITIONAL INFORMATION:  
DATE PREPARED: 02/10/95  
NAME OF PREPARED: Philip T. Miller

Section II - Hazardous Ingredients/Identity Information

| Chemical Names                                                                                         | Exposure Limits (LD50-Oral Rat) | SARA Title III SEC 313 | ACCH TLV/TWA | OSHA PEL | % By Wt. |
|--------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|--------------|----------|----------|
| Pyrethrins (CAS# 8003-34-7)                                                                            | 200 mg/kg                       | -                      | 5 mg/cm3     | 5mg/cm3  | 0.4      |
| Piperonyl Butoxide (CAS# 51-03-6)                                                                      | 5.0g/kg                         | -                      | ND           | ND       | 2.0      |
| oparathrin Petroleum Solvent AS# 64742-47-8)                                                           | -                               | -                      | ND           | ND       | 5.8      |
| Mineral Spirits (CAS# 64742-88-7)                                                                      | -                               | -                      | 100ppm       | 100ppm   | 1.6      |
| Sodium Benzoate (CAS# 532-32-1)                                                                        | 4100mg/kg                       | -                      | NA           | NA       | 0.1      |
| Liquefied Petroleum Gas (CAS# 68476-85-7)                                                              | NA                              | -                      | 1000         | 1000     | 25.0     |
| Unidentified Ingredients are not considered hazardous under the Federal Hazard Communication Standard. |                                 |                        |              |          |          |
| Components Listed As A Suspected Carcinogen: None                                                      |                                 |                        |              |          |          |

Section III - Physical Characteristics

Boiling Point: ND  
Solubility/Water: >10%  
Appearance and Odor: Misty spray, petroleum distillate odor.  
Vapor Pressure (psig): 100 @130F  
Specific Gravity (H2O=1): <1.0  
Evaporation Rate (Ethanol): <1

Section IV - Fire and Explosion Hazard Data

Aerosol Flammability: This product is considered to be non flammable as described in 16CFR 1500.45.  
Flammable Limits - % Volume in Air (Propellant): LEL: 1.8  
Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.  
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.  
Unusual Fire and Explosion Hazards: At elevated temperatures (over 34C-130F) containers may vent or burst.

Section V - Reactivity Data

Stability: Stable  
Incompatibility (Materials to Avoid): High heat sources, open flames and oxidizing agents.  
Hazardous Polymerization: NA  
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide and additional toxic chemicals may be formed in small amounts.  
Conditions to Avoid: Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.



Section VI - Health Hazard Data

Route(s) of Entry - Inhalation: X Eyes: X Skin: X Ingestion: X  
Signs and Symptoms of Exposure: Respiratory irritation. High concentrations may produce headache, dizziness and nausea. Prolonged or repeated skin contact may lead to drying, irritation and dermatitis. Possible skin absorption. Eye contact may cause burning and irritation.  
Medical Conditions Generally Aggravated by Exposure: Pre-existing skin or eye disorders may be aggravated by exposure to this product.  
Emergency and First Aid Procedures: Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists. Skin Contact: Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. Ingestion: Get medical attention.

Section VII - Precautions for Safe Handling and Use

Releases or Spills: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.  
Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.  
Handling And Storage: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 1 Aerosol (NFPA 30B).  
Other Precautions: Product is toxic to fish. Do not apply directly to lakes, streams, ponds, tidal marshes or estuaries. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of waste. Please read and follow directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Section VIII - Employee Protection

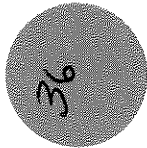
Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.  
Ventilation: Local exhaust is adequate under normal conditions, mechanical ventilation is optional.  
Protective Gloves: Chemical resistant gloves.  
Eye Protection: Chemical safety glasses are recommended.  
Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.  
Work/Hygiene Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

Section IX - Other Regulatory Controls

Governmental Listings: Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

Section X - Transportation (D.O.T. Classification)

Shipping Name: Consumer Commodity  
Hazard Class: ORM-D  
NG -- Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined  
While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.



# MATERIAL SAFETY DATA SHEET (MSDS)

ITEM NUMBER: 006 - LICE KILLER 13 OZ.

IDENTITY (As Used On Label and List) LICE KILLER 13 OZ.

**EMERGENCY MEDICAL TELEPHONE NUMBER 1-800-226-5635 (24 HRS)**

Product Hazard-Health= 2, Fire= 1, Reactivity= 0, Special= 0

Hazard Rating-4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant

## Section I

CLARE MANUFACTURING COMPANY  
500 VISTA  
ADDISON  
TX 76101  
TELEPHONE NUMBER FOR INFORMATION:  
1-708-543-7600  
DATE PREPARED: 05/03/90  
NAME OF PREPARER: PHILIP T. NELDER

## Section II - Hazardous Ingredients/Identity Information

| Components/Chemical Name                | Occup. Exposure Limits (TLV/STEL) (OSHA/NIOSH) | SARA Title III SEC 313 | ACGIH TLV/STEL | % By Wt. |
|-----------------------------------------|------------------------------------------------|------------------------|----------------|----------|
| Pyrethrin (CAS# 8003-34-7)              | 200 mg/kg (oral-rat)<br>5.0 g/kg (oral-rat)    |                        | 5 mg/m3        | 0.1-1.0  |
| Piperonyl Butoxide (CAS# 51-03-6)       |                                                |                        | NA             | 1.0-5.0  |
| Petroleum Distillate (CAS# 008-052-413) |                                                |                        | NA             | 5.0-10.0 |
| Sodium Benzate (CAS# 532-32-1)          | 4100 mg/kg (oral-rat)                          |                        | NA             | 0.1-1.0  |
| 1-PG Propellant (CAS# 68476-84-7)       | NE                                             |                        | 1000ppm        | 20-30    |

\*Unidentified Ingredients are not considered hazardous under the Federal Hazard Communication Standard (29CFR 1910.1200)  
Components Listed As A Suspected Carcinogen: None

## Section III - Physical/Chemical Characteristics

Boiling Point: ND  
Vapor Pressure (psig): 100 @ 130°F  
Vapor Density (AIR = 1): >1  
Evaporation Rate (Ether = 1): <1  
Appearance and Odor: Misty spray, petroleum distillate odor.

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## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Liquid: NE Propellant: <0°F  
Flammable Limits (Propellant) LEL: 1.8% UEL: 9.2%  
Extinguishing Media: Carbon dioxide, dry chemical or foam.  
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from burning, rupturing or venting containers.  
Unusual Fire and Explosion Hazards: Do not spray near open flame or while smoking. At elevated temperatures over (54°C = 130°F), containers may vent, rupture or burst.

## Section V - Reactivity Data

Stability - Unstable: Stable: X  
Incompatibility (Materials to Avoid): High heat sources, open flame and oxidizing agents.  
Hazardous Decomposition or Byproducts: Carbon Monoxide, Carbon Dioxide and additional toxic chemicals may be formed in small amounts.  
Hazardous Polymerization - May Occur: Will Not Occur: X  
Conditions To Avoid: Do not store aerosol containers above (49°C - 120°F). Keep away from heat, open flames or sparks. Dropping of containers may cause bursting.

## Section VI - Health Hazard Data

Route(s) of Entry - Inhalation: X Skin: X Ingestion:  
Health Hazards (Acute and Chronic):  
Signs and Symptoms Of Exposure: Respiratory irritation. High concentrations may produce headache, dizziness and nausea. Prolonged or repeated skin contact may lead to drying, irritation and dermatitis. Possible skin absorption. Eye contact may cause burning and irritation.  
Medical Conditions Generally Aggravated By Exposure: Pre-existing eye and skin disorders.  
Emergency and First Aid Procedures: INHALATION: Remove victim to fresh air and restore breathing if necessary. Stay with victim until arrival of emergency medical personnel. EYES: Flush immediately with large amounts of water for at least 15 minutes, while holding the eyelids open. Get prompt medical attention. SKIN: Remove contaminated clothing and wash skin with plenty of water. If irritation persists, seek medical attention. Wash clothing before reuse. INGESTION: Contact local poison control center or physician IMMEDIATELY!  
Note To Physician: Product contains approximately 10% petroleum distillate. If more than 2.0ml per kg has been ingested and vomiting has not occurred emesis should be induced with supervision.

## Section VII - Precautions for Safe Handling and Use

**Steps To Be Taken In Case Material Is Released or Spilled:** Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

**Waste Disposal Method:** Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

**Precautions To Take In Handling And Storing:** Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers.

**Other Precautions:** Product is toxic to fish. Do not apply directly to lakes, streams, ponds, tidal marshes or estuaries. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of waste. Please read and follow directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

## Section VIII - Employee Protection

**Respiratory Protection (Type):** None required if good ventilation is maintained. If exposure may exceed occupational exposure limits (Sec. II) Use a NIOSH-approved respirator to prevent overexposure. *Local Exhaust Adequate Under Normal Conditions*

*Mechanical (General): Optional*

**Protective Gloves:** Chemical resistant gloves.

**Eye Protection:** Chemical Safety glasses.

**Other Protective Clothing or Equipment:** Wear impervious clothing to prevent skin contact.

**Work/Hygiene Practices:** Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment in accordance with 29 CFR 1910.132 and CFR 1910.133.

## Special IX--Other Regulatory Controls

Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

## Special X Transportation Requirements (D.O.T. Classification)

Shipping Name: Consumer Commodity Hazard Class: ORM-D

NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

The information provided herein was believed to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use.