

Product Name: SureKill® Advance Insecticide Products LD-44T
Issue Date: June 1st, 2016
Replaces: June 1st, 2015
SDS Number: CTL0185

1. PRODUCT IDENTIFICATION

Product Name: **SureKill® Advanced Insecticide Products LD-44T**
Product Number(s): 0073011
Use: Insecticide
Manufacturer: ChemTech, Ltd.
1006 North Highway 5
Pleasantville, IA 50225
Manufacturer Phone: 1-800-477-8201
Distributor: ChemTech, Ltd.
1006 North Highway 5
Pleasantville, IA 50225
Distributor Phone: 1-800-477-8201
Emergency Phone: **Medical: 1-800-498-5743 (United States and Canada)**
Spill: 1-800-424-9300 (United States and Canada)

2. HAZARDS IDENTIFICATION

Classifications: Gases Under Pressure Liquefied Gas
Flammable aerosol Category 2

Signal Word (EPA): CAUTION
Signal Word (OSHA): WARNING

Hazard Statements: Contains gas under pressure: may explode if heated.
Flammable aerosol
Harmful to aquatic life
Harmful to aquatic life with long lasting effects

Hazard Symbols:



Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces. – No Smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Specific treatment (see Section 4/First Aid)
Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F
Store in well-ventilated place
Dispose of contents/container to an approved waste disposal plant

Other Hazard Statements: Do not apply this product around electrical equipment due to possible shock hazard.

Product Name: SureKill® Advance Insecticide Products LD-44T
Issue Date: June 1st, 2016
Replaces: June 1st, 2015
SDS Number: CTL0185

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Pyrethrins	Pyrethrins	8003-34-7	1.0%
Piperonyl Butoxide (PBO)	Piperonyl Butoxide (PBO)	51-03-6	2.0%
n-Octyl bicycloheptene dicarboximide	n-Octyl bicycloheptene dicarboximide	113-48-4	3.0%

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

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

4. FIRST AID MEASURES

Have the product container, label, or Safety Data Sheet with you when calling 1-888-740-8712, a poison control center or doctor, or going for treatment.

Aspiration pneumonia hazard: No information available.

Eye Contact: 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.

Skin Contact: 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.

Ingestion: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. 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.

Inhalation: 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.

Self-protection of the First Responder:

Remove all sources of ignition. Use personal protective equipment as required.

Note to physicians:

For skin effects, a highly efficient therapeutic agent for Pyrethrin/Pyrethroid exposure is a topical application of tocopherol acetate (Vitamin E).

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

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

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

Hazardous combustion products:

Carbon monoxide, Carbon dioxide (CO₂)

Specific hazards:

Extremely flammable

Explosion data:

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Special protective equipment and precautions for firefighters:

In the event of fire and or explosion do not breathe fumes.

Product Name: SureKill® Advance Insecticide Products LD-44T
 Issue Date: June 1st, 2016
 Replaces: June 1st, 2015
 SDS Number: CTL0185

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and materials for containment:

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods and materials for cleaning up:

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object in opening on top of can. For more information see product label.

Conditions for safe storage, including any incompatibilities:

Keep tightly closed in a dry and cool place. Keep in properly labeled container. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. For more information, see product label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>SOURCE</u>
Pyrethrins	5 mg/m ³	5 mg/m ³	Not Established	Not Applicable
Piperonyl Butoxide (PBO)	Not Established	Not Established	Not Established	Not Applicable
n-Octyl bicycloheptene dicarboximide	Not Established	Not Established	Not Established	Not Applicable

Product Name: SureKill® Advance Insecticide Products LD-44T
Issue Date: June 1st, 2016
Replaces: June 1st, 2015
SDS Number: CTL0185

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellowish-Colored Liquid
Odor:	Pyrethroid Odor
pH:	Not Available
Melting Point:	Not Available
Freezing Point:	Not Available
Boiling Point and Boiling Range:	Aerosol Under Pressure
Flash Point (Test Method):	< -50° C
Flammable Limits (% in air):	LEL: 1.8 UEL: 9.5
Flammability:	Flammable
Vapor Pressure:	60 psi @ 70° F
Vapor Density:	0.71 g/mL
Relative Density:	8.3232 lbs/gal
Solubility (ies):	Not Soluable
Partition Coefficient:	Not Available
Viscosity:	Not Available
Other:	Not Available

10. STABILTY AND REACTIVITY

Reactivity:	Not Available
Chemical Stability:	Stable under recommended storage conditions
Possible Hazardous Reactions:	None under normal processing.
Conditions to Avoid:	Heat, flames and sparks.
Incompatible Materials:	Strong acids, strong bases, and Oxidizing agents
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide (CO ₂)

11. TOXICOLOGICAL INFORMATION

Numerical Measures of Toxicity (Product Information)

Ingestion:	Oral LD ₅₀ (Rat):	>5,000 mg/kg
Dermal:	Dermal LD ₅₀ (Rabbit):	>2,000 mg/kg
Inhalation:	Inhalation LC ₅₀ (Rat):	>11.79 mg/L, 4 hrs.
Eye Contact:	Irritation clearing in 48 hours. (Rabbit)	
Skin Contact:	Slight irritation at 72 hours. (Rabbit)	
Skin Sensitization:	Negative. (Guinea pig)	
Comment:	Toxicology data was bridge from a similar formula	

Piperonyl Butoxide:

Carcinogenicity/Oncogenicity:

Marginally higher incidents of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it highly unlikely that this product will result in carcinogenic effects.

Carcinogenicity:

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

Product Name: SureKill® Advance Insecticide Products LD-44T
Issue Date: June 1st, 2016
Replaces: June 1st, 2015
SDS Number: CTL0185

Reproductive/Developmental Effects

Not Available

Chronic/Subchronic Toxicity Studies

Not Available

Carcinogenicity

Not Available

Other Toxicity Information

Not Available

Toxicity of Other Components

Not Applicable

Target Organs

Active Ingredients

Not Applicable

Inactive Ingredients

Not Applicable

12. ECOLOGICAL INFORMATION

Do not apply this product directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. This product is toxic to fish and other aquatic life. Do not contaminate water by cleaning or equipment or when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

Disposal: Do not reuse empty container except for holding additional product.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification

Proper Shipping Name: Consumer Commodity, ORM-D (Aerosol Insecticide)

Hazard Class: Class 60

UN Number: Not Applicable

Packing Group: Not Applicable

Label: Not Applicable

Special Instructions: Not Applicable

IMDG Classification

Proper Shipping Name: Consumer Commodity, ORM-D (Aerosol Insecticide)

Hazard Class: Class 60

UN Number: Not Applicable

Packing Group: Not Applicable

Label: Not Applicable

Special Instructions: Not Applicable

Product Name: SureKill® Advance Insecticide Products LD-44T
Issue Date: June 1st, 2016
Replaces: June 1st, 2015
SDS Number: CTL0185

IATA Classification

Proper Shipping Name: Consumer Commodity, ORM-D (Aerosol Insecticide)
Hazard Class: Class 60
UN Number: Not Applicable
Packing Group: Not Applicable
Label: Not Applicable
Special Instructions: Not Applicable

Canadian Classification

Proper Shipping Name: Consumer Commodity, ORM-D (Aerosol Insecticide)
Hazard Class: Class 60
UN Number: Not Applicable
Packing Group: Not Applicable
Label: Not Applicable
Special Instructions: Not Applicable

15. REGULATORY INFORMATION

Pesticide Registration

This chemical is a pesticide product registered by the 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 and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

Caution: Harmful if swallowed or absorbed through skin. Keep away from children, domestic animals and pets. Do not get in eyes, on skin or on clothing. All handlers (including applicators) must wear shoes plus socks, and gloves.

EPA Registration Number : 47000-7

EPA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Not Applicable

California Proposition 65 : Not Applicable

CERLA/SARA 302 Reportable Quantity (RQ) :
Pyrethrins CAS No. 8003-34-7 1 pound
Piperonyl Butoxide CAS No. 51-03-6 1%

RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable

TSCA Status: Exempt from TSCA, subject to FIFRA

Product Name: SureKill® Advance Insecticide Products LD-44T
Issue Date: June 1st, 2016
Replaces: June 1st, 2015
SDS Number: CTL0185

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 4
Instability: 0
Other:

HMIS Hazard Ratings

Health: 1*
Flammability: 4
Reactivity: 0
Personal Protection: X

0 - Minimal
1 - Slight
2 - Moderate
3 - Serious
4 - Extreme
* - Chronic Health Hazard

For Non-Emergency Questions About This Product Call:
1-800-621-8829
Neogen Corporation
Lexington, KY

SureKill® is a Registered Trademark of Neogen Corporation.

ALTHOUGH THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN (HEREINAFTER "INFORMATION") ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT, CHEMTECH, LTD., THE MANUFACTURER OR THE SELLER MAKES NO REPRESENTATIONS AS TO THE COMPLETENESS OR ACCURACY THEREOF. INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING IT WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSES PRIOR TO USE.

THE PRODUCT COVERED BY THIS INFORMATION SHEET IS FURNISHED "AS IS" BY CHEMTECH, LTD., THE MANUFACTURER OR THE SELLER, AND IS SUBJECT ONLY TO THE WARRANTIES, IF ANY, THAT APPEAR ON THE PRODUCT'S LABEL OR ARE OTHERWISE EXPRESSLY PROVIDED HEREIN.

EXCEPT AS EXPRESSLY PROVIDED ON THE PRODUCT'S LABEL OR OTHERWISE PROVIDED HEREIN, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, ARE MADE BY CHEMTECH, LTD., THE MANUFACTURER OR THE SELLER WITH REGARD TO THE PRODUCT OR USE OF THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

EXCEPT AS EXPRESSLY STATED HEREIN, CHEMTECH, LTD., THE MANUFACTURER OR THE SELLER MAKES NO WARRANTY OF RESULTS TO BE OBTAINED BY USE OF THE PRODUCT COVERED BY THIS INFORMATION. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND THE TOTAL LIABILITY OF CHEMTECH, LTD., THE MANUFACTURER OR THE SELLER, SHALL BE LIMITED TO DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT. NO AGENT OR EMPLOYEE OF CHEMTECH, LTD., THE MANUFACTURER OR THE SELLER IS AUTHORIZED TO AMEND THE TERMS OF THIS WARRANTY DISCLAIMER OR THE PRODUCT'S LABEL OR TO MAKE A REPRESENTATION OR RECOMMENDATION DIFFERENT FROM OR INCONSISTENT WITH THE LABEL OF THIS PRODUCT.

IN NO EVENT SHALL CHEMTECH, LTD., THE MANUFACTURER OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES AND THE BUYER AND USER WAIVE ANY RIGHT THEY MAY HAVE TO SUCH DAMAGES.