

SAFETY DATA SHEET

Product Name: SureKill® Advanced Insecticide Products CT-511
Issue Date: June 1st, 2015
Replaces: New Issue
SDS Number: CTL0005

1. PRODUCT IDENTIFICATION

Product Name: **SureKill® Advanced Insecticide Products CT-511**
Product Number(s): 0731011
Use: Insecticide
Manufacturer: ChemTech, Ltd.
1006 North Highway 5
Pleasantville, IA 50225
Manufacturer Phone: 1-800-477-8201
Distributor: Neogen Corporation – Animal Safety
944 Nandino Boulevard
Lexington, KY 40511
Distributor Phone: 1-800-477-8201
Emergency Phone: Medical: 1-800-498-5743 (United States and Canada)
Spill: 1-800-424-9300 (United States)

2. HAZARDS IDENTIFICATION

Classifications: Specific Target Organ Toxicity: Respiratory Irritation, Category 3
Dermal: Category 3

Signal Word (EPA): CAUTION

Signal Word (OSHA): DANGER

Hazard Statements: Toxic in contact with skin.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure



Hazard Symbols:

Precautionary Statements: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection.
If on skin: Wash with plenty of soap and water.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Get medical advice/attention.
Call a poison control center, doctor or 1-800-498-5743 (Prosar) if you feel unwell.
Take off immediately all contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents and container in accordance with local regulations.

Other Hazard Statements: This product presents no significant hazards under normal conditions of use.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Pyrethrin	Pyrethrin	8003-34-7	0.5%
Piperonyl Butoxide	Piperonyl Butoxide	51-03-6	1.0%
N-Octyl bicycloheptane dicarboximide	MGK 264	113-48-4	1.0%
Hydrocarbon Mixture	Hydrocarbon Mixture		
1,1 Difluoro-Ethane (152A)	1,1 Difluoro-Ethane (152A)	75-37-6	

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

4. FIRST AID MEASURES

Have the product container, label, or Material Safety Data Sheet with you when calling 1-800-498-5743, a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call 1-800-498-5743, a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 1-800-498-5743 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call 1-800-498-5743, a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Wash skin with soap and water.

Inhalation: Not applicable.

Most Important Symptoms/Effects:

Slight skin irritation, drowsiness, headache, nausea, lung irritation, vomiting or diarrhea.

Indication of immediate medical attention and special treatment needed:

Not Available

Further information is available from the Prosar Emergency Number (1-800-498-5743) provided in this documents.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use dry chemical, foam or CO₂ extinguishing media. If water is to be used to fight fire, dike and collect run-off.

Specific Hazards:

During a fire, irritating and possible toxic gases may be generated by thermal decomposition of combustion.

Special protective equipment and precautions for firefighters:

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or product of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:

Control the spill at its source. Clean up spills immediately, observing precautions outlines in Section 8. Sweep up material and place in a compatible disposal container. Once all material is collected, seal container and arrange for disposition.

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7. HANDLING AND STORAGE

Precautions for safe handling:

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities:

Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING, AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Occupational Exposure Limit

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>SOURCE</u>
Pyrethrin	Not Established	5 mg/m ³	Not Established	Not Applicable
Piperonyl Butoxide	50 mg/m ³	50 mg/m ³	Not Established	Not Applicable
N-Octyl bicycloheptane dicarboximide	5 mg/m ³	5 mg/m ³	5 mg/m ³	Not Applicable
Hydrocarbon Mixture	100 ppm	100ppm	Not Established	Not Applicable
1,1 Difluoro-Ethane (152A)	Not Established	Not Established	Not Established	Not Applicable

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact: Eye protection is not required for normal handling. Where eye contact is likely, wear tight-fitting chemical goggles.

Skin Contact: Gloves are not required for normal handling. Where heavy contact is likely, wear chemical resistant (such as nitrile or butyl) gloves.

Inhalation: Respiratory protection is not required for normal handling. In the event of an unusual dust exposure, use engineering controls or a NIOSH-approved particulate respirator (N, P, R, or HE filter) to keep exposure below the Occupational Exposure Limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow to light amber liquid (under pressure)		
Odor:	Pyrethrin 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; 122°F		
Flammable Limits (% in air):	LEL – 3.9%	UEL – 16.9%	
Flammability:	Not Available		
Vapor Pressure:	Not Available		
Vapor Density:	Not Available		
Relative Density:	Not Available	Solubility (ies):	Not soluble
Partition Coefficient:	Not Available		
Viscosity:	Not Available		
Other:	Not Available		

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10. STABILITY AND REACTIVITY

Reactivity: Not reactive
Chemical Stability: Stable under normal use and storage conditions
Possible Hazardous Reactions: Will not occur
Conditions to Avoid: High heat, open flames
Incompatible Materials: Not Available.
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Inorganic Acids

11. TOXICOLOGICAL INFORMATION

Health Effects Information

Likely routes of exposure: Dermal, inhalation, ingestion
Symptoms of exposure: Slight skin irritation, drowsiness, headache, nausea, lung irritation, vomiting or diarrhea.
Delayed, immediate and chronic effects of exposure: Not Available

Numerical Measures of Toxicity (Acute Toxicity/Irritation Studies)

Ingestion:	Oral LD ₅₀ (Rat):	430-4000 mg/kg body weight	(Permethrin)
	Oral LD ₅₀ (Rat):	>15 g/kg body weight	(Paraffinic Distillate)
Dermal:	Dermal LD ₅₀ (Rabbit):	>4000 mg/kg body weight	(Permethrin)
Inhalation:	Inhalation LC ₅₀ (Rat):	<23.5 mg/L	(Permethrin)
	Inhalation LC ₅₀ (Rat):	<5000 mg/m ³	(Paraffinic Distillate)
Eye Contact:	Non-Irritating (Paraffinic Distillate)		
Skin Contact:	Non-Irritating (Paraffinic Distillate)		
Skin Sensitization:	Non-Irritating (Paraffinic Distillate)		

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

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12. ECOLOGICAL INFORMATION

Do not discharge effluent containing this product directly to water. Do not contaminate water when disposing of equipment wash water.

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: Aerosols, Flammable
Hazard Class: 2.1
UN Number: 1950
Packing Group: III
Label: 2.1,EHSM
Special Instructions: Not Applicable

IMDG Classification

Proper Shipping Name: Aerosols, Flammable
Hazard Class: 2.1
UN Number: 1950
Packing Group: III
Label: 2.1,EHSM
Special Instructions: Not Applicable

IATA Classification

Proper Shipping Name: Aerosols, Flammable
Hazard Class: 2.1
UN Number: 1950
Packing Group: III
Label: 2.1,EHSM
Special Instructions: Not Applicable

Canadian Classification

Proper Shipping Name: Not Available
Hazard Class: Not Available
UN Number: Not Available
Packing Group: Not Available
Label: Not Available
Special Instructions: Not Available

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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. Any person who retrieves carcasses or unused bait following application of this product must wear waterproof gloves.

EPA Registration Number : 47000-73
EPA SARA Title III Classification
Section 311/312 Hazard Classes: Acute Health Hazard
Section 313 Toxic Chemicals: Piperonyl Butoxide (CAS No. 51-03-6)
California Proposition 65 : Not Applicable
CERLA/SARA 302 Reportable Quantity (RQ) : None
RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable
TSCA Status: Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 1
Instability: 0

HMIS Hazard Ratings

Health: 1*
Flammability: 1
Reactivity: 0
Other:

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

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

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