

Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol  
Issue Date: June 1<sup>st</sup>, 2016  
Replaces: June 1<sup>st</sup>, 2015  
SDS Number: MGK0012 - CTL

## 1. PRODUCT IDENTIFICATION

Product Name: **SureKill® Advanced Insecticide Products Total Release Aerosol**  
Product Number(s): 011511  
Use: Insecticide  
Manufacturer: McLaughlin Gormley King Company  
8810 10<sup>th</sup> Avenue North  
Minneapolis, MN 55427  
Manufacturer Phone: 1-800 645-6466, or 763-544-0341  
Distributor: ChemTech, Ltd.  
1006 North Highway 5  
Pleasantville, IA 50225  
Distributor Phone: 1-800-477-8201  
Emergency Phone: **Medical: 1-888-740-8712 (United States and Canada)**  
**Spill: 1-800-424-9300 (United States and Canada)**

## 2. HAZARDS IDENTIFICATION

Classifications: Acute Toxicity, Inhalation: Category 4  
Flammable Aerosol: Category 2  
Gases under pressure: Liquefied gas

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

Hazard Statements: Harmful if inhaled  
Contains gas under pressure: may explode if heated.  
Flammable aerosol  
Very toxic to aquatic life  
Very toxic 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  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves  
Specific treatment (see Section 4/First Aid)  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol  
Issue Date: June 1<sup>st</sup>, 2016  
Replaces: June 1<sup>st</sup>, 2015  
SDS Number: MGK0012 - CTL

Store in well-ventilated place  
Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F  
Dispose of contents/container to an approved waste disposal plant

Other Hazard Statements: Not Applicable

### 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	0.050%
Piperonyl Butoxide (PBO)	Piperonyl Butoxide (PBO)	51-03-6	.10%
(n-Octyl bicycloheptene dicarboximide	(n-Octyl bicycloheptene dicarboximide	113-48-4	.16%
Esfenvalerate	Esfenvalerate	66230-04-4	0.10
Petroleum distillates, hydrotreated light	Petroleum distillates, hydrotreated light	64742-47-8	< 10*
Propane	Propane	74-98-6	10 <-->20*
Isobutane	Isobutane	75-28-5	10 <-->20*

\*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. DO NOT give any liquid to the person. 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:

Hydrogen cyanide, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol  
Issue Date: June 1<sup>st</sup>, 2016  
Replaces: June 1<sup>st</sup>, 2015  
SDS Number: MGK0012 - CTL

---

Specific hazards:

No information available

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.

## 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.

Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol  
 Issue Date: June 1<sup>st</sup>, 2016  
 Replaces: June 1<sup>st</sup>, 2015  
 SDS Number: MGK0012 - CTL

## 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 <sup>3</sup> (vacated) TWA 5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup>	5000 mg/m <sup>3</sup> IDLH, 5 mg/m <sup>3</sup>	NIOSH IDLH
Petroleum distillates hydrotreated light	Not available	Not Available	100 ppm TWA 525 mg/m <sup>3</sup>	OEL
Acetone	1000 ppm TWA 24000 mg/m <sup>3</sup> TWA 750 ppm TWA (vacated) 1800 mg/m <sup>3</sup> TWA (vacated) 2400 mg/m <sup>3</sup> STEL (vacated) The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors 1000 ppm STEL (vacated)		2500 ppm IDLH 250 ppm TWA 590 mg/m <sup>3</sup>	NIOSH IDLH
Isobutane		1000 ppm STEL	800 ppm TWA 1900 ppm TWA	NIOSH IDLH

Appropriate Engineering Controls:  
 Safety Showers  
 Eyewash stations  
 Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection:  
 Tight sealing safety goggles. Face protection shield.

Skin and body Protection:  
 Wear protective gloves and protective clothing.

Respiratory Protection:  
 If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations:  
 When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol  
Issue Date: June 1<sup>st</sup>, 2016  
Replaces: June 1<sup>st</sup>, 2015  
SDS Number: MGK0012 - CTL

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol – Compressed liquefied gas
Appearance:	Milky yellow – Milky white (Aerosol Non-volatiles)
Odor:	Strong – Solvent
Odor threshold:	No information available
Color (Gardner Scale)	6.5 @ 10% in H <sub>2</sub> O. Test was performed on aerosol Non-Volatile's.
pH:	5.2
Melting Point:	Not Available
Freezing Point:	Not Available
Boiling Point and Boiling Range:	Not Available
Flash Point (Test Method):	-7.2° C (19°F) Tag closed cup; test was performed on aerosol Non-Volatile's
Flammable Limits (% in air):	Not Available
Flammability:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	Not Available
Solubility (ies):	Not Available
Partition Coefficient:	Not Available
Kinematic Viscosity:	Not Available
Dynamic viscosity:	4.5 cPs @ 23.0°C Test was performed on aerosol Non-Volatile's @ 25° C (77°F)
Refractive Index:	1.4162
Other:	
Density:	0.853 g/cm <sup>3</sup> @ 20.0 °C (Aerosol Non-volatiles)
VOC Content:	94.45
Miscibility/Solubility:	
Water:	Immiscible
Alcohol:	Miscible
Aromatic solvents:	Miscible
Petroleum distillates:	Miscible

## 10. STABILITY 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 <sub>2</sub> )

## 11. TOXICOLOGICAL INFORMATION

### Numerical Measures of Toxicity (Product Information)

Ingestion:	Oral LD <sub>50</sub> (Rat):	>5,000 mg/kg
Dermal:	Dermal LD <sub>50</sub> (Rabbit):	>2,000 mg/kg
Inhalation:	Inhalation LC <sub>50</sub> (Rat):	>11.79 mg/L, 4 hrs.
Eye Contact:	Irritation clearing in 48 hours. (Rabbit)	
Skin Contact:	Slight irritation at 72 hours. (Rabbit)	
Skin Irritation Index:	1.9	
Skin Sensitization:	Negative. (Guinea pig)	

Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol  
Issue Date: June 1<sup>st</sup>, 2016  
Replaces: June 1<sup>st</sup>, 2015  
SDS Number: MGK0012 - CTL

---

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 form 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.

Reproductive/Developmental Toxicity

Not Available.

Teratogenicity

Not Available

STOT – single exposure

Not Available

STOT – repeated exposure

Not Available

Chronic/Subchronic Toxicity Studies

Avoid repeated exposure.

Target Organ Effects

Central nervous system, eyes, respiratory system, skin.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity

Not available

Persistence and degradability

Not available

Bioaccumulation

Not available

Chemical Name

Acetone (67-64-1)  
Isobutane (75-28-5)

Partition coefficient; n-Octanol/Water

-0.24  
2.88

Other Adverse effects

Not available

## 13. DISPOSAL CONSIDERATIONS

Disposal: Disposal should be in accordance with applicable regional, national and local laws and regulation. For more information, see product label.

Contaminated packaging: For more information, see product label.



Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol  
 Issue Date: June 1<sup>st</sup>, 2016  
 Replaces: June 1<sup>st</sup>, 2015  
 SDS Number: MGK0012 - CTL

## 14. TRANSPORT INFORMATION

### DOT Classification

Proper Shipping Name: Aerosols, non-flammable  
 Hazard Class: 2.2  
 UN Number: 1950

### IMDG Classification

Proper Shipping Name: Aerosols, non-flammable  
 Hazard Class: 2.2  
 UN Number: 1950

### IATA Classification

Proper Shipping Name: Aerosols, non-flammable  
 Hazard Class: 2.2  
 UN Number: 1950

## 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.

EPA Registration Number: 1021-1635-47000

### EPA SARA Title III Classification

Section 311/312 Hazard Classes:	Acute Health Hazard	No
	Chronic Health Hazard	Yes
	Fire Hazard	No
	Sudden Release of Pressure Hazard	Yes
	Reactive Hazard	No

Section 313 Toxic Chemicals: Not Applicable.

California Proposition 65: Not Applicable.

CERLA/SARA 302 Reportable Quantity (RQ): Not Applicable.

<u>Chemical Name</u>	<u>Hazardous Substances RQs</u>	<u>CERCLA/SARA RQ</u>	<u>Reportable Quantity (RQ):</u>
Pyrethrins (8003-34-7)	1 lb	-	RQ 1 lb final RQ RQ 0.454 kg final RQ

CWA (Clean Water Act) This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21, 40 CFR 122.42)

<u>Chemical Name</u>	<u>CWA – Reportable Quantities</u>	<u>CWA – Toxic Pollutants</u>	<u>CWA Priority - Pollutants</u>	<u>CWA – Hazardous Substances</u>
Pyrethrins (8003-34-7)	1 lb.	-	-	-

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

TSCA Status: Exempt from TSCA, subject to FIFRA

Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol  
Issue Date: June 1<sup>st</sup>, 2016  
Replaces: June 1<sup>st</sup>, 2015  
SDS Number: MGK0012 - CTL

## 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.