

SAFETY DATA SHEET

Product Name: SureKill® Advanced Insecticide Products Total Release Aerosol
Issue Date: June 1, 2015
Replaces: New Issue
SDS Number: MGK0012 - CTL

1. PRODUCT IDENTIFICATION

Product Name: **SureKill® Advanced Insecticide Products Total Release Aerosol**
Product Number(s): 0111511
Use: Insecticide
Manufacturer: McLoughlin Gormley King Company
8810 10th 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
Spill: 1-800-424-9300 (United States)

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

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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 (CO₂)

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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.

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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 (vacated) TWA 5 mg/m ³ TWA	5 mg/m ³	5000 mg/m ³ IDLH, 5 mg/m ³	NIOSH IDLH
Petroleum distillates hydrotreated light	Not available	Not Available	100 ppm TWA 525 mg/m ³	OEL
Acetone	1000 ppm TWA 24000 mg/m ³ TWA 750 ppm TWA (vacated) 1800 mg/m ³ TWA (vacated) 2400 mg/m ³ 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 ³	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.

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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 ₂ 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 ³ @ 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 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 Irritation Index:	1.9	
Skin Sensitization:	Negative. (Guinea pig)	
Comment:	Toxicology data was bridge from a similar formula	

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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.

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.

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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

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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

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