

**MATERIAL SAFETY DATA SHEET**

**Chem-Tech, Ltd.**

**PRODUCT CODE:** 0111511

**Page:** 1 of 2  
**Revision Date:** 3/22/02

**1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

**PRODUCT CODE:** 0111511, **EPA REG. NO:** 1021-1635-47000  
**PRODUCT NAME:** SureKill Total Release Fogger 2602  
**PRODUCT DESCRIPTION:** Consumer use aerosol insecticide product.  
**CHEMICAL NAME:** n/a  
**SYNONYMS:** 2602, MGK 2602, F02602  
**MANUFACTURER:** McLaughlin Gormley King Company, 8810 Tenth Avenue North, Minneapolis MN. 55427  
**TELEPHONE M-F, 8:00-4:30 CST, 14:00-22:30 GMT:** (800) 645-6466 or (763) 544-0341  
**MSDS & Product Information, 8:00-4:30 CST, 14:00-22:30 GMT:** (800) 645-6466 or (763) 544-0341

<b>24 HOUR EMERGENCY PHONE (CHEMTREC)</b>	(800)-424-9300	<b>CHEMTREC (ALL OTHER AREAS):</b>	(703) 527-3887
<b>For information regarding MEDICAL EMERGENCIES or PESTICIDE INCIDENTS , call the INTERNATIONAL POISON Center at: 1-888-740-8712</b>			

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT(s)	CAS #	EXPOSURE LIMITS	SARA Title III Sec. 313	% BY Wt.
<b>Pyrethrins</b>	008003-34-7	5 mg/m <sup>3</sup> (OSHA, ACGIH)	Not listed	0.050
<b>Esfenvalerate</b> [(S)-Cyano (3-phenoxyphenyl) methyl 4-chloro-alpha-(1 - methylethyl) benzeneacetate]	066230-04-4	Not established	Yes, de minimus conc. = 1	0.100
<b>Piperonyl Butoxide</b> [Alpha-(2-(2-butoxyethoxy)ethoxy)-4,5-methylenedioxy-2-propyltoluene]	000051-03-6	Not established	Yes de minimus conc. = 1	0.100
<b>MGK® 264</b> [N-Octyl bicycloheptene dicarboximide]	000113-48-4	Not established	Not listed	0.167
<b>Paraffinic, Naphthenic solvent</b>	064742-47-8	525 mg/m <sup>3</sup> TWA	Not listed	5.00 - 20.00
<b>Liquefied Petroleum Gas</b>	68476-85-7	1000ppm(1800mg/m <sup>3</sup> ) TWA (OSHA, NIOSH, ACGIH)	Not listed	20.00-40.00

PEL= Permissible Exposure Limits. TWA= Time Weighted Average (8 hr).  
 TLV= Threshold Limit Value. STEL= Short Term Exposure Limit (15 min.).

**3. HAZARDS IDENTIFICATION**

**POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW**

**HUMAN:** **CAUTION. HIGHLY FLAMMABLE.** Contents under pressure. Do not use near heat or open flame. Do not expose to temperatures above 130 F (54.4 C). Harmful if swallowed inhaled or absorbed through skin. Avoid breathing mists and sprays of this product. Avoid contact with skin eyes, or clothing.

**EYES:** Can cause temporary irritation, tearing and blurred vision.

**SKIN:** Can cause a burning sensation on more sensitive areas (face, eyes, mouth). Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis.

**INGESTION:** Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

**INHALATION:** Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

**CHRONIC EFFECTS:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens. In a recent, marginally higher incidences of benign thyroid, parathyroid, ovary and liver tumors were observed in rats and in lung of mice following lifetime high dose exposures to pyrethrum. The significance of this observation is questionable and under review. The doses at which tumors were observed for pyrethrum greatly exceeded potential human exposure from labeled uses.

**4. FIRST AID MEASURES**

**FIRST AID PROCEDURES:**

**EYES:** Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.

**SKIN:** Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention. Wash clothing separately before reuse.

**INHALATION:** Remove affected person to fresh air. Give oxygen, if necessary. If breathing has stopped, administer artificial respiration and seek medical attention immediately.

**INGESTION:** If swallowed, call a physician immediately. DO NOT induce vomiting due to aspiration pneumonia hazard. Never give anything by mouth to an unconscious person.

**NOTE TO PHYSICIANS:** Contains petroleum distillates

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Page: 2 of 2  
Revision Date: 3/22/02

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**5. FIRE FIGHTING MEASURES**

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**FLAMMABLE PROPERTIES:**

This aerosol is classified as HIGHLY FLAMMABLE.

**FLAMMABLE LIMITS:**

LOWER FLAMMABLE LIMIT: not established.

UPPER FLAMMABLE LIMIT: not established.

**AUTOIGNITION TEMPERATURE:**

not established.

**HAZARDOUS COMBUSTION PRODUCTS:****EXTINGUISHING MEDIA:**

Foam, carbon dioxide, or dry chemical.

**FIRE FIGHTING INSTRUCTIONS:**Treat as a oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream. Contain the run-off, if possible, for proper disposal.

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**6. ACCIDENTAL RELEASE MEASURES:**

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**SMALL SPILL:**

Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**LARGE SPILL:**

Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**WASTE DISPOSAL METHOD:**Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

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**7. HANDLING AND STORAGE**

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**HANDLING:**

Take prudent precautions to avoid contact with skin eyes or clothing. Mechanical ventilation should be used when handling this product in enclosed spaces. Leave building at once after activating valve to avoid exposures. Wearing a respirator is not normally required when handling this product, but recommended where there is the potential for airborne exposure to this product. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label.

**STORAGE:**Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong oxidizers. Emptied containers may retain product residues.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**EXPOSURE LIMITS:**

Not established by OSHA or ACGIH

**ENGINEERING CONTROLS:****RESPIRATORY PROTECTION:**

Not normally required. NIOSH approved organic vapor respirator, if necessary to avoid breathing sprays or mists of this product.

**SKIN PROTECTION:**

Take prudent precautions to avoid contact with skin

**EYE PROTECTION:**Take prudent precautions to avoid contact with eyes.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE:**

Thick milky white emulsion

**ODOR:**

Petroleum distillate odor

**PHYSICAL STATE:**

Pressurized Liquid

**VAPOR PRESSURE:**

Not available

**VAPOR DENSITY:**

Not established

**BOILING POINT:**

Not available

**MELTING POINT:**

Not applicable

**SOLUBILITY IN WATER:**

Miscibility with water

**SPECIFIC GRAVITY:**

.993 (water = 1)

**COLOR, (GARDENER):**

Not applicable

**pH:**

Not applicable

**VISCOSITY:**Not available

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**10. STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY:**

Stable.

**INCOMPATIBILITY:**

Strong acidic or alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Not applicable.

**HAZARDOUS POLYMERIZATION:**Will not occur

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**11. OTHER**

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*The data contained herein is based on information currently available to MGK Company, and believed to be factual and the opinions expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation for which MGK Company assumes legal responsibility.*

Material Safety Data Sheet prepared by T.A. Lennan

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