

MATERIAL SAFETY DATA SHEET

Chem-Tech, Ltd.

PRODUCT CODE: 051922-01

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Revision Date: 10/21/02

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE: 051922 EPA REG. NO.: 1021-1761-47000
 PRODUCT NAME: SureKill Flusher
 PRODUCT DESCRIPTION: Pressurized Synergized Pyrethrum Aerosol Insecticide.
 MANUFACTURER: McLaughlin Gormley King Company, 8810 Tenth Avenue North, Minneapolis MN. 55427
 TELEPHONE M-F, 8:00-4:30 CST, 14:00-22:30GMT: (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

CHEMTREC U.S. and CANADA:	(800)-424-9300	CHEMTREC (ALL OTHER AREAS):	(703) 527-3887
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**FOR INFORMATION REGARDING MEDICAL EMERGENCIES OR PESTICIDE INCIDENTS CALL THE INTERNATIONAL POISON CENTER AT:
1-888-740-8712 in U.S and CANADA or 651-632-6191 from all other areas**

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT(s)	CAS #	EXPOSURE LIMITS	SARA Title III Sec. 313 de minimus conc.	% BY WEIGHT
Pyrethrins	008003-34-7	5 mg/m ³ (OSHA, ACGIH)	Not Applicable	.50
Piperonyl Butoxide	000051-03-6	Not established	1.0	1.0
MGK® 264 Insecticide Synergist	000113-48-4	Not established	Not Applicable	1.0
Acetone	000067-64-1	750ppm, 1,800 mg/m ³ OSHA TWA 750ppm, 1,780 mg / m ³ ACGIH TWA. 1,000 ppm OSHA & ACGIH STEL	1.0	1.0-10
Liquefied Petroleum Gas	068476-85-7	1000 ppm (1800 mg / m ³) TWA (OSHA,NIOSH, ACGIH)	Not Applicable	10-20
* Trade Secret	*	1000 ppm AEL (Supplier)	Not Applicable	55-75
Paraffinic, Naphthenic solvent	64742-47-8	100ppm (525mg/m ³) TWA Supplier	Not Applicable	5.0-15

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

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

EMERGENCY OVERVIEW:	CAUTION. CONTENTS UNDER PRESSURE. DO NOT use near heat, open flame. Do not use near electrical equipment due to shock hazard. Harmful if swallowed or absorbed through skin. Take prudent precautions to avoid contact with skin eyes and clothing. Avoid breathing vapor. Contents under pressure DO NOT expose to temperatures above 130° F (54.4°C) or violent bursting may occur.
EYES:	Can cause irritation with discomfort, tearing and blurred vision.
SKIN:	Overexposure by skin contact may initially include a transient (several minutes up to approximately 24 hours) persistent burning or pricking sensation which may be accompanied by visible irritation or rash.
INGESTION:	May be harmful if swallowed. Overexposure by ingestion may initially include nonspecific discomfort, such as nausea, vomiting, headache, or weakness; temporary nervous system effects such as muscular weakness, tremors and lack of coordination.
INHALATION:	May be harmful if inhaled. Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.
CARCINOGENICITY:	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 study, marginally higher incidences of benign thyroid, parathyroid, ovary and liver tumors were observed in rats and in lungs of mice following lifetime high dose exposures to pyrethrum. Marginally higher incidences 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 pyrethrum and PBO greatly exceeded potential human exposure from labeled uses.

4. FIRST-AID MEASURES

FIRST AID PROCEDURES:	
EYES:	Hold eye open and rinse slowly and gently with water for 5-20 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:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-30 minutes. Call a poison control center or doctor for treatment advice.
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 advise.
INGESTION:	Call a poison control center or doctor immediately 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 doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIANS:	None
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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: N/A °F **METHOD:** TCC

The Aerosol is classified as Nonflammable by Flame extension test described in 16 CFR 1500.45

LOWER FLAMMABLE LIMIT: not established.

UPPER FLAMMABLE LIMIT: not established.

AUTOIGNITION TEMPERATURE: not established.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

EXTINGUISHING MEDIA: Foam, carbon dioxide, or dry chemical.

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

6. ACCIDENTAL RELEASE MEASURES:

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.

7. HANDLING AND STORAGE

HANDLING: Do not breathe vapor or mist. Take prudent precautions to avoid contact with eyes, skin, or clothing. Wash thoroughly after handling Wash clothing after use. Do not store or consume food, drink or tobacco in areas where they may have become contaminated with this product. Wear chemically impervious gloves such as neoprene or nitrile. Use in well ventilated areas. Wearing a respirator is not normally required when handling this material as directed but recommended in absence of proper mechanical ventilation or if necessary to avoid breathing sprays or mists of this product. 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.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, DRINK OR APPLY COSMETICS IN WORK AREA! Wash Promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

RESPIRATORY PROTECTION: Take prudent precautions to avoid breathing sprays or mists of this product.

SKIN PROTECTION: Do not allow contact with skin.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Pressurized gas and liquid.	MELTING POINT:	Not applicable
ODOR:	Acetone odor	SOLUBILITY IN WATER:	Partially miscible in water
APPEARANCE:	Clear light amber liquid	SPECIFIC GRAVITY:	.853 @ 20°C (water = 1.00)
VAPOR PRESSURE:	Not available	COLOR, (GARDENER):	Not applicable
VAPOR DENSITY:	Not established	pH:	5.2 at 10% in water.
BOILING POINT:	Not available	VISCOSITY:	4.5 CPS at 23°C (non-volatile portion)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Strong acidic or alkaline materials.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: Will not occur.

11. OTHER INFORMATION

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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