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MATERIAL SAFETY DATA SHEET

Product name: SpringStar springSAFE Crawling Insect Spray

SPRINGSTAR INC	EMERGENCY NUMBERS
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SECTION 1 - MATERIAL IDENTIFICATION

PRODUCT NAME:	springSAFE Crawling Insect Spray	PRODUCT NO.	831
SYNONYMS:	Crawling Insect Spray	FORMULA:	see below
CAS #:	see below	FORMULA WT:	see below
	Proprietary Mixture		

SECTION 2 - COMPONENTS

Ingredients	CAS or UN#	HAZARD	LD ₅₀ /LC ₅₀	Other notes, Conditions	Concentration
Garlic oil	8008-99-9	2	n/a	Hazard - Irritant skin, eye, inhaled, ingested	0.1%
Lemongrass oil	8007-02-1	2	n/a	Hazard - Irritant skin, eye, inhaled, ingested	.1%
Inert ingredient		1	n/a	Mild alkaline inhalation irritant	0.5% to 2%
Inert ingredient		0	n/a	Oil mist TLV 15 mg/m3	0.5% to 2%
Inert ingredient		0	n/a	Mist TLV 10 mg/m3	0.1% to 1%
Inert ingredient		1	n/a	Slight skin, eye irritation	0.5% to 2%
Inert ingredient		2	Oral rat: 5040 mg/kg	Hazard - Irritant eye, inhaled, ingested, can blistered skin	0.1% to 2%
Water		0	n/a	n/a	> 83.9%

SECTION 3 - PHYSICAL DATA FOR MATERIAL

APPEARANCE:	Yellowish liquid	SOLUBILITY IN WATER:	soluble
ODOUR DESCRIPTION:	Sharp citrus	BOILING POINT:	210 EF
VAPOUR PRESSURE (20 C, mm Hg):	not known	% VOLATILES:	0%
VAPOUR DENSITY (AIR = 1):	not known	FREEZING POINT:	32EF
SPECIFIC GRAVITY @ 25°C (WATER = 1):	<1.00		

SECTION 4 - FIRE & EXPLOSION HAZARD OF MATERIAL

FLASH POINT (CC):	>300EF
EXTINGUISHING MEDIA:	water spray, dry chemical, alcohol foam or carbon dioxide.
UNUSUAL FIRE & EXPLOSION HAZARD:	none
HAZARDOUS COMBUSTION PRODUCTS:	possible from minor components

FLAMMABLE LIMITS

AUTO-IGNITION TEMP:	>300EF
SENSITIVE TO MECHANICAL IMPACT:	no
SENSITIVE TO STATIC DISCHARGE:	no

SECTION 5 - REACTIVITY DATA

STABILITY:	Stable under ordinary condition of use and storage.
CONDITIONS TO AVOID:	excessive heat, reactive compounds AVOID INHALING
MATERIALS TO AVOID:	strong oxidizing agents, strong acids and bases. Avoid heat, flames and sources of ignition
HAZARDOUS POLYMERIZATION:	will not occur

SECTION 6 - PREVENTIVE MEASURES

RESPIRATORY PROTECTION:	For conditions of use where exposure to the substance is apparent and engineering controls are not feasible, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.
VENTILATION:	A system of local and/or general exhaust is recommended to keep employee exposure as low as possible.
PROTECTIVE GLOVES:	recommended
EYE PROTECTION:	recommended
OTHER PROTECTIVE EQUIPMENT:	impervious protective clothing, including boots, gloves.
SPILL OR LEAK PROCEDURES:	Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Collect liquid in an appropriate container and use product as labeled or absorb with an inert material (e.g. vermiculite, kitty litter, dry sand). Dispose of absorbed material in regular trash.
WASTE DISPOSAL METHOD:	Whatever can not be used, saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of container and unused contents in accordance with federal, state and local requirements
HANDLING and STORAGE PROCEDURES:	Keep in a tightly closed container, stored in a cool, dry, ventilated area away from any area where the fire hazard may be acute. Protect against freezing, physical damage and excess heat.
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SECTION 7 - HEALTH HAZARD & FIRST AID MEASURES

Carcinogen		Mutagen		Teratogen	
Reproductive Toxin		Synergist		Not Fully Investigated	XXXXXXXXxx

SKIN:	Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes.
EYE:	Flush with water for 15 min. Seek medical attention immediately.
INHALATION:	Remove to fresh air. Give oxygen and call a physician.
INGESTION:	Administer water and call a physician or poison control center immediately. Do not induce vomiting.
PRIMARY ROUTE OF ENTRY:	skin, inhalation
EFFECT OF ACUTE EXPOSURE:	no known
EFFECT OF CHRONIC EXPOSURE:	not known
PREPARATION DATE:	November 23, 2007
PREPARED BY:	M. Banfield

ADDITIONAL INFORMATION:	
SOURCES USED:	MSDS for components

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