

Material Safety Data Sheet

91154 Bug & Tarminator®

Stoner

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Stoner Incorporated
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Quarryville, PA 17566
1-800-227-5538

Product Name: Bug & Tarminator®
Product Code: 91154
Version Date: 12/05/13
24-hour emergency phone: 1-800-424-9300 [CHEMTREC]

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	ACGIH TLV	OSHA PEL	OTHER
Petroleum distillates	64742-47-8	Not established	Not established	Not established
Halogenated hydrocarbon	75-37-6	Not established	Not established	1000ppm TWA (Mfr.)
Petroleum hydrocarbon	1330-20-7	100 ppm	100 ppm	Not established
Glycol ether	112-34-5	20ppm	50ppm	35ppm TWA (Mfg. recommend)
Aliphatic hydrocarbon	142-82-5	400 ppm	400 ppm	500 ppm
Dimethyl carbinol	67-63-0	200 ppm	Not established	200 ppm 8 hr TWA
Citrus distillates	5989-27-5	Not established	Not established	FDA-GRAS
Ethyl benzene	100-41-4	100ppm TWA	100ppm TWA	100ppm 10 hr-TWA (NIOSH)

3. HAZARDS IDENTIFICATION

POTENTIAL ACUTE [single or short term] HEALTH EFFECTS OF OVEREXPOSURE

Eye : Can cause severe eye irritation. Can injure eye tissue.
Skin : Skin contact may cause irritation. Symptoms may include redness, discomfort, drying and cracking, or rash. Prolonged or repeated exposure may dry the skin. Liquid may cause frostbite. Passage of this material into the body through the skin is possible, and may add to the harmful effects from breathing and swallowing. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.
Ingestion : Swallowing small amounts during handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.
Inhalation : Breathing small amounts during handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits. Symptoms of exposure may include: initial Central Nervous System excitation (euphoria, exhilaration, light-headedness) followed by CNS depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other CNS effects, such as confusion, impaired coordination, coma, and death. Inhalation of concentrations above the recommended limits may cause temporary central nervous system depression with anesthetic effects such as dizziness, headache, incoordination, and loss of consciousness.

POTENTIAL CHRONIC [long term] HEALTH EFFECTS OF OVEREXPOSURE:

General Effects: Prolonged or repeated exposure can cause drying, defatting, and dermatitis of the skin. This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. Acute lethal exposures in animal studies of a product component has resulted in congestion of organs including kidney, spleen and lungs. Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible kidney effects. mild, reversible liver effects. blood abnormalities. effects on hearing.

Cancer Information: THIS PRODUCT CONTAINS NO COMPONENTS LISTED AS CARCINOGENIC BY IARC, NTP, OR OSHA 1910(Z) Based on available information, this material cannot be classified with regard to carcinogenicity. A component in this material has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

Individuals with preexisting diseases of the central nervous or cardiovascular system may have increased susceptibility to the toxicity of excessive exposures.

HMIS® III* HAZARDOUS WARNINGS:

Health: 2* Flammability: 3 Physical: 1 Personal Protective Equipment: See Section 8

* See www.paint.org/hmis or call the NPCA at 1 (202) 462-6272 for more information on this current rating system.

4. FIRST AID MEASURES

Eyes: Immediately flush eyes gently with plenty of water for at least 15 minutes while holding eyelids apart. If symptoms persist or there is visual difficulty, seek medical attention.
Skin Contact: In case of contact, immediately wash contaminated area with plenty of water for at least 15 minutes. Seek medical attention if symptoms persist. Seek medical attention if symptoms persist. Wash clothing before reuse.
Ingestion: Do not induce vomiting. Aspiration into the lungs can cause serious damage. Contact a physician, medical facility, or poison control center immediately. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Have victim drink 8 to 10 ounces of water to dilute the material in the stomach.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention. Keep the victim warm and quiet.

NOTES TO PHYSICIAN:

Inhalation of high concentrations of the material, or one of it's components, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an

aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. This material is an aspiration hazard. Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be used only in situations of emergency life support. This material (or a component) may cause acidosis. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin; lung (for example, asthma-like conditions); kidney; auditory system; arrhythmias (irregular heartbeats); liver; blood forming system; central nervous system;

5. FIRE FIGHTING MEASURES

Fire and/or Explosion Hazards:	This product contains a component(s) that is considered a flammable liquid, which has vapors that are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, or other flames and ignition sources at locations distant from the material's handling point. This product contains a component(s) that is considered an extremely flammable gas(es), which has vapors that are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, or other flames and ignition sources at locations distant from the material's handling point. Containers may rupture or explode under fire conditions. "Empty" containers retain product residue and can be dangerous.
Fire Fighting Instructions:	Use CO ₂ , foam or dry chemical. Fire fighters should wear normal protective equipment and positive-pressure self-contained breathing apparatus. Water is generally not effective and may spread fire; however, water spray may be used from a safe distance to cool closed containers and protect surrounding area.
Flash Point:	Not applicable °F PMCC °C PMCC
Lower Flammability Limit:	Not applicable
Upper Flammability Limit:	Not applicable
Autoignition Temperature:	Not applicable
Aerosol Flame Projection Test:	Extremely flammable aerosol, as determined by ASTM D 3065-94. Do not use near ignition sources such as sparks or open flames.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear appropriate personal protective equipment (PPE). Stop or reduce discharge if it can be done safely. Avoid run-off into storm sewers and ditches which may lead to natural waterways. Clean up with absorbent material. Place absorbent materials into container and close it tightly. Dispose of container properly. Remove all sources of ignition. Ventilate contaminated area. If runoff occurs, notify authorities as required. Wear appropriate clothing.

7. HANDLING AND STORAGE

Handling:	Do not use near ignition sources. Avoid prolonged or repeated breathing of vapor. Avoid prolonged or repeated contact with skin. Use with adequate ventilation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. If ventilation is not sufficient, wear proper respiratory equipment. Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Normal precautions common to safe manufacturing practice should be followed in handling and storage. This material can be harmful or irritating. Do not use near ignition sources. Do not store containers in excessive heat or direct sunlight. Protect container against physical damage.
Storage:	Store in a cool, dry, well ventilated area away from all sources of ignition. Keep away from heat, sparks and flame. Do not store at temperatures above 120 degrees F. Empty container may contain residues which are hazardous. Normal precautions common to safe manufacturing practice should be followed in handling and storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Ventilation should be adequate to prevent exposures above the limits indicated in "Section 8" of this MSDS (from known, suspected or apparent adverse effects). Local exhaust should be used in areas where exposure limits may be exceeded.
Eye Protection:	Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material. Do not wear contact lenses. Have an eye wash station available.
Skin Protection:	The use of chemically resistant gloves is recommended if there is any possibility of prolonged or repeated liquid contact with skin.
Respiratory Protection:	If respiratory irritation develops below the recommended exposure limits, use an NIOSH approved nuisance dust/mist/organic vapor respirator. A supplied air respirator should be used if ventilation is not sufficient to maintain exposure limits. Use NIOSH approved respirator where there is likelihood of inhalation of the product mist, spray or aerosol.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol can	Vapor Density:	[air = 1] 3.49
Appearance:	Clear Colorless	Evaporation Rate:	0.5-2 (n-Butyl acetate = 1)
Odor:	Petroleum solvent	Solubility in Water:	Negligible; 0-1%
Specific Gravity:	0.84 (H ₂ O=1)	Boiling Point:	No data available °F
Vapor Pressure:	35.00 PSIG @ 70 °F	pH:	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Conditions to Avoid:	Ignition sources such as open flames, sparks, static discharges or glowing metal surfaces. Avoid contact with: Strong oxidizing agents. Chlorine. Hypochlorites. Alkali. Alkaline earth metals. Powdered metals. Strong alkalies. Acetaldehyde. Acids. Ethylene oxide. Isocyanates.
Decomposition Products:	Burning can produce the following combustion products: Carbon dioxide and carbon monoxide. Aldehydes. Various hydrocarbons. This material can be decomposed by extremely high temperatures (open flames, glowing metal surfaces, etc.) forming hydrofluoric acid and carbonyl fluoride.

11. DISPOSAL CONSIDERATIONS

Disposal :	Dispose according to Federal, State and local regulations.
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12. TRANSPORTATION INFORMATION

Agency	Proper Shipping name	UN Number	Hazard Class	Packing Group
DOT	Aerosols, flammable *	UN1950	2.1	Not applicable
IATA	Aerosols, flammable *	UN1950	2.1	Not applicable
IMDG	Aerosols, flammable *	UN1950	2.1	Not applicable

* "Limited Quantities" may be applicable for this transportation mode.

13. REGULATORY INFORMATION

Warning: This product contains the following chemicals that are subject to reporting requirements for the following regulatory bodies listed below:

COMPONENT	CAS #	% BY WEIGHT	Regulatory Body
Xylene	1330-20-7	1-20	SARA Section 313
Ethyl benzene	100-41-4	1-20	SARA Section 313

Warning: This product may contain chemicals known to the State of California to cause cancer. See list below.

No components listed in this section.

Prop65 Cancer

Warning: This product may contain chemicals known to the State of California to cause birth defects. See list below.

No components listed in this section.

Prop65 Birth Defects

All components of this product are listed on the TSCA inventory.

This information contained in this MSDS is believed to be accurate as of the version date, but is not warranted to be. Since the use of this information and the conditions of use of this product are not within the control of Stoner Inc, it is the user's obligation to determine the conditions of safe use.