

Material Safety Data Sheet

94052 ElectroKlene™

Stoner

Copying and/or downloading of this information for the purpose of properly utilizing Stoner Inc. product is allowed provided that: (1) the information is copied in full with no changes unless prior agreement is obtained from Stoner Inc., & (2) neither the copy nor the original is resold or otherwise distributed with intention of earning profit thereon.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Stoner Incorporated 1070 Robert Fulton Hwy. Quarryville, PA 17566 1-800-227-5538	Product Name: ElectroKlene™ Product Code: 94052 Version Date: 11/14/13 24-hour emergency phone: 1-800-424-9300 [CHEMTREC]
---	--

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	ACGIH TLV	OSHA PEL	OTHER
Chlorinated hydrocarbon	156-60-5	200ppm TWA	Not established	Not established
Halogenated hydrocarbon	406-58-6	Not established	Not established	Not established
Halogenated hydrocarbons	138495-42-8	Not established	Not established	200ppm 8hr TWA (mfr.recommend)
Halogenated hydrocarbon	811-97-2	Not established	Not established	1000ppm (mfr. recommend)

3. HAZARDS IDENTIFICATION

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

- Eye :** Symptoms may include stinging, tearing, and redness. May cause eye irritation.
- Skin :** Symptoms may include redness, discomfort, drying and cracking, or rash. Prolonged or repeated contact with liquid can cause irritation and dermatitis. Skin contact may cause irritation.
- Ingestion :** Swallowing large amounts may be harmful. Discomfort due to volatility would be expected. Swallowing small amounts during handling is not likely to cause harmful effects. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. If swallowed symptoms may include: Gastrointestinal irritation (such as nausea, vomiting, and diarrhea). Central nervous system effects (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness). This material is an aspiration hazard.
- Inhalation :** 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; or temporary alteration of the heart's electrical activity (cardiac arrhythmia). Gross overexposure may be fatal. Overexposure by inhalation of vapors may cause respiratory irritation or nonspecific discomfort such as nausea, headache or weakness. Exposure to high concentrations can cause irregular heartbeat, cardiac arrest and death. Breathing small amounts during handling is not likely to cause harmful effects. Breathing large amounts may be harmful. 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.
- Cancer Information:** THIS PRODUCT CONTAINS NO COMPONENTS LISTED AS CARCINOGENIC BY IARC, NTP, OR OSHA 1910(Z)
- 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.

HMS® III* HAZARDOUS WARNINGS:

Health: 1 Flammability: 2 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.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

NOTES TO PHYSICIAN:

This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be used only in situations of emergency life support.

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. Hazardous decomposition products may be formed (see Sec.10). "Empty" containers retain product residue and can be dangerous. Containers may rupture or explode under fire conditions.
- Fire Fighting Instructions:** Use CO2, foam or dry chemical. Fire fighters should wear normal protective equipment and positive-pressure self-contained breathing apparatus. Do not direct a solid stream of water or foam into hot burning pools, this may cause frothing and increase fire intensity. Apply water from a safe distance to cool container and protect surrounding area. 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: Non-flammable aerosol, as determined by ASTM D 3065-94.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition. 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. Ventilate contaminated area.

7. HANDLING AND STORAGE

Handling: Do not use near ignition sources. Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Use with adequate ventilation. Avoid contact with eyes. Wash hands thoroughly after handling.
 Storage: Store in a cool, dry, well ventilated area away from all sources of ignition. Empty container may contain residues which are hazardous. Store away from oxygen cylinders or other oxidizing materials and possible ignition sources. Freezing will affect physical condition but will not damage product. Thaw and mix before using. Do not store at temperatures above 120 degrees F.

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. Mechanical ventilation should be used in confined spaces and low areas.
 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] 4.05
Appearance:	Clear Colorless	Evaporation Rate:	0.1-0.5 (n-Butyl acetate = 1)
Odor:	Slight ethereal.	Solubility in Water:	Minimal; 1-9%
Specific Gravity:	1.19 (H2O=1)	Boiling Point:	No data available °F
Vapor Pressure:	30.00 PSIG @ 70°F	pH:	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.
 Conditions to Avoid: Avoid contact with: Ignition sources such as open flames, sparks, static discharges or glowing metal surfaces. Oxidizers. Caustics. Powdered metals. Alkaline earth metals. Alkali. Strong bases.
 Decomposition Products: Burning can produce the following combustion products: Hydrogen chloride. Carbon dioxide and carbon monoxide. Hydrogen fluoride. Phosgene. This material can be decomposed by extremely high temperatures (open flames, glowing metal surfaces, etc.) forming hydrofluoric acid and carbonyl fluoride.

11. TOXICOLOGICAL

Reproductive & Developmental Toxicity: No data available.

Ingredient	CAS #	Toxicological Data
Chlorinated hydrocarbon	156-60-5	Dermal LD50 Rabbit > 5000 mg/kg No data available Inhalation LC50 (4h) Rat = 24100 ppm
Halogenated hydrocarbon	406-58-6	No data available Inhalation LC50 (4h) Rat > 100000 ppm
Halogenated hydrocarbons	138495-42-8	Dermal LD50 Rabbit > 5000 mg/kg No data available Inhalation LC50 (4h) Rat = 11 ppm
Halogenated hydrocarbon	811-97-2	No data available Inhalation LC50 (4h) Rat > 500000 ppm

12. ECOLOGICAL

Ecological Toxicity: Presents little or no hazard to the aquatic environment.
 Mobility: No data available
 Degradability: No data available No data available. Not considered biodegradable; 100% volatile.

Ingredient	CAS #	Toxicological Data
No data available		

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION INFORMATION

Agency	Proper Shipping name	UN Number	Hazard Class	Packing Group
DOT	Aerosols, non-flammable *	UN1950	2.2	Not applicable
IATA	Aerosols, non-flammable *	UN1950	2.2	Not applicable
IMDG	Aerosols, non-flammable *	UN1950	2.2	Not applicable

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

15. REGULATORY INFORMATION

EU Classification:

Symbol:

No data available

Risk Phrases:

Heating may cause an explosion

Safety Phrases:

S1/2- Keep locked up and out of the reach of children

S15-Keep away from heat

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

16. OTHER INFORMATION

Other Information : MSDS Prepared by L. Dean Swartz, MSDS Coordinator

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.