



SAFETY DATA SHEET



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: LEKTRIKLEEN (Bulk)

Product Number: 2041

Manufacturer Information: Sunrise Environmental Scientific

Remit: PO Box 10207 Reno, NV 89510

Physical: 1175 Industrial Way Sparks, NV 89431

Phone Number: 775-359-8494 or 800-648-1153

Pages: 3

Web: SUNRISENV.COM

Application: Energized Electrical Cleaner

UN-Number: 1897

Emergency Phone No.

Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview:

Signal Word: DANGER

Keep out of reach of children.

Potential Health Effects:

Inhalation: Excessive inhalation of vapors may cause irritation of the respiratory tract, nausea, dizziness and/or headache.

Skin Contact: Prolonged contact may cause irritation and/or dryness of skin.

Ingestion: May cause serious health effects including vomiting, nausea and/or gastrointestinal irritation.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS #	Component WT%	PEL	TLV	IDLH
*Trichloroethylene	79-01-6	N/A	50 ppm	50 ppm	N/A
*1,1,2,2 Tetrachloroethylene (Stabilized)	127-18-4	N/A	25 ppm STEL:100 ppm	25 ppm	150 ppm
Comments: None					

4. FIRST AID MEASURES

Inhalation: If affected by vapors, move to a well ventilated area immediately. If breathing is difficult seek physician help.

Skin Contact: Flush with water, immediately remove all contaminated clothing.

Ingestion: Do not induce vomiting seek physician care.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue for at least 15 minutes and seek physician help.

Additional Information: Adrenalin should never be given to person overexposed to Trichloroethylene.

5. FIRE FIGHTING MEASURES

Flash Point: None

Upper Flammable Limit (UEL): 15.0%

Lower Flammable Limit (LEL): 7.5%

Flammable Limits: Methyl chloroform

Auto Ignition: N/D

Rate of Burning: N/D

General Fire Hazards: The vapors are heavier than air and may travel along the ground or be moved by ventilation and lightly by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Vapors at 7% to 15% may ignite in high intensity flame.

Hazardous Combustion Product: May produce irritating fumes in fire.

Extinguishing Media: Foam, Co2 and/or dry chemicals.

Fire Fighting Equipment/Instructions: Use SCBA equipment with full face piece operated in the positive pressure mode.

NFPA Rating: (Flammability 0) (Health 2) (Reactivity 1)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Eliminate all the ignition sources such as electrical, static, frictional sparks and pilot. Isolate the area.

Environmental Precautions: Isolate the spilled area. Prevent additional further leakage or spillage, if safe to do so.

Method for Cleanup & Containment: Wear appropriate protective equipment and clothing during the clean-up. Use non-combustible material like vermiculite, sand, clay or other absorbent material to absorb the spilled liquid.

Additional Information: Follow local and federal regulations with regard to chemical spills.

7. HANDLING AND STORAGE

Handling Procedure: Avoid breathing mist or vapors. Avoid prolonged contact with skin. Avoid contact with eye. Wear suitable PPE.

Wash hands thoroughly after handling the product.

Storage Procedures: Keep in a well-ventilated place, away from open flame, heat, reactive chemicals and/or other source of ignition.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:

ACGIH Components: Use ventilation adequate to maintain TLV.

OSHA Components: This product is not regulated.

Engineering Measures: Use fan in confined area. Use local exhaust ventilation.

Personal Protective Equipment (PPE): Utilize suitable protective clothing, and other appropriate PPEs to protect eyes and hands.

Hygiene Recommendations: Use caution appropriate to terpenes. Use protective equipment (apron and boots are optional).

Consider the effect of exposure potentials, handling practices, chemical concentration and ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless

Physical State: Liquid

Vapor Pressure: 58 mmHg @ 20°F

Boiling Point: 176°F

Solubility (H2O): Insoluble in water

Freezing Point: N/D

Odor: Little aroma

pH: N/D

Density: N/D

Evaporation rate: >1

Vapor Density: 4.5

Melting Point: -45°C

Specific Gravity: 1.320

VOC: <45%

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: N/A

Incompatibility: Strong bases, Metallic Aluminum and Zinc powder.

Hazardous Decomposition: Hydrogen Chloride, Phosgene and Chlorine.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Skin, eyes, inhalation and/or ingestion.

Effects includes fatigue, dizziness, nausea, headache and eye and skin irritation. Harmful if swallowed. Dermatitis possible in sensitive individual.

Inhalation may cause hoarseness or cough. Deliberate inhalation may result in convulsions, permanent body damage or death.

NTP: No

IARC: No

Carcinogenicity: Yes

OSHA Regulated: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Chronic Toxicity: May include lung, liver, skin and kidney damage.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/D

Persistence and Degradability: N/D

Bioaccumulative potential: N/D

Mobility in Soil: N/D

Other Adverse effects: N/D

13. DISPOSAL CONSIDERATIONS

Disposal Instructions: Follow local and federal disposal regulations. As a non-hazardous liquid waste, it should be solidified with stabilizing absorbent material before disposal.

14. TRANSPORTATION INFORMATION

US DOT Information: UN 1897, TETRACHLOROETHYLENE, 6.1, PG III, CLASS 92.5

Marine Pollutant: N/D

Shipping Name: Lektrikleen

Required Label: N/A

15. REGULATORY INFORMATION

Classification: Irritant, Poison

Hazard Symbol: Exclamation Point, Skull & Crossbones



US Federal Regulations

OSHA'S Hazard Communication Rule:

SARA Title III-This product does contain chemicals component with known CAS number that exceed the threshold reporting levels establish by SARA Title III, section 313: Trichloroethylene <95%.

State Regulations

California Prop. 65

WARNING: This product can expose you to chemicals including PERCLOROETHYLENE, which is known to the State of California to cause cancer and/or cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



16. OTHER INFORMATION

SDS History

Date Prepared: 04/02/2014

Revision Date: 08/28/2018

Contact Information: Sunrise Environmental Scientific
Remit: PO Box 10207 Reno, NV 89510
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