

SAFETY DATA SHEET

Kleens-It Electrical Contact Cleaner - Part # 57220

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Kleens-It Electrical Contact Cleaner – Part # 57220
Date of Safety Data Sheet: 16 December, 2015
Use of Preparation: Electrical Contact Cleaner
Company Identification: Lloyds Laboratories Inc.
613 Neal Drive
Peterborough
Ontario K9J 6X7

Company Emergency Telephone Number: Emergency Phone: 705-876-9997

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA/ WHMIS 2015 Hazards:

Classification of substances or mixture

GHS-US/ Canadian classification:

Skin Irritation (Category 2)

Carcinogenicity-category 1 B

Specific Target Organ Toxicity- single exposure (Category 3) narcotic effects

Gases under pressure- compressed gas

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger

Hazard Statements (GHS):

Contains gas under pressure, may explode if heated. Causes skin irritation. May cause drowsiness or dizziness. May cause cancer. Toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS):

Obtain special instruction before use. Do not handle until all safety precautions have been read and are understood. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49 C/120F. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label increase ventilation or leave the area. Avoid

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breathing gas. Wash thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Avoid release into the environment.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable breathing. Call a poison centre or doctor if you feel unwell. If exposed or concerned –Get medical attention. Collect spillage.

Store locked up. Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Tetrachloroethylene	127-18-4	90-100	Skin Irritation (Category 2) Carcinogenicity-category 1 B Specific Target Organ Toxicity- single exposure (Category 3) narcotic effects
Carbon dioxide	124-38-9	1-5	

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms persist consult physician.
Eye Contact:	Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact:	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion:	DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.
Notes to Physician:	Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).
Unsuitable extinguishing media:	Water jet.
Special exposure hazards:	Contents under pressure. Exposure to high temperatures may cause the can to burst. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen chloride and possibly phosgene.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Avoid breathing mist or vapor. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. For product usage instructions, please see the product label.

Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Store away from foodstuffs.

Further information about storage conditions:

Contents under pressure. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49 °C/120 °F. Do not handle or store near an open flame, heat or other sources of ignition. Exposure to high temperature may cause can to burst. Store in a well-ventilated place. Store away from incompatible materials.

Specific end use(s) No further relevant information available.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Use local exhaust or dilution ventilation.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles or full face shield.
Skin protection:	Use body-covering impervious clothing.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.
Exposure guidelines:	

Source Material		TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Carbon dioxide	OSHA	100			
	ACGIH	100			
Tetrachloroethylene	OSHA	100			
	ACGIH			25	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Clear liquid		
Appearance	Aerosol	Odour	Irritating.
Colour	Colorless	Odour Threshold	No data available.

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	Not applicable (solvent)	
Melting/Freezing Point	Not available	
Boiling Point/Range	Not available	
Flash Point	None (TCC)	
Flammability (solid, gas)		
Flammability Limit in Air:	Not available	
Upper Limit	Not available	
Lower Limit	Not available	
Vapour Pressure	1352.4 kPa at 20 °C	
Vapour density	No data available	
Specific Gravity	1.62	
Water Solubility	Negligible.	
Solubility Other Solvents	Soluble.	
Partition Coefficient:	No data available	
n-octanol/water	No data available	
Autoignition temperature	No data available	
Decomposition	No data available	
Temperature		
Kinematic Viscosity	No data available	

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Dynamic Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	liquid
Particle Size Distribution	Not applicable

10. STABILITY AND REACTIVITY

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Heat, flames and sparks. Contact with incompatible materials.

When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen chloride and possibly phosgene.

Conditions to avoid

Incompatible materials Strong oxidizing agents. Strong acids. Strong bases.

Hydrogen chloride. Trace amounts of chlorine and phosgene. Carbon oxides. Halogenated materials. Carbonyl halides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification

LD 50 oral rat 2,692 mg/kg.

LD 50 Dermal rabbit 3305 mg/kg.

LC50 Inhalation rat 20 mg/l, 4 hours.

Eye Contact: Expected low irritation.

Sensitization: None known.

Additional toxicological information: None

Carcinogenicity May cause cancer.

12. ECOLOGICAL INFORMATION

Toxicity: This product is toxic to aquatic organisms, including fish and invertebrates. Do not discharge effluent containing this product into streams lakes, oceans or other waters.

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available.

Other Adverse Effects

Other Information: Avoid release to the environment.

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13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

Other: Dispose of in sanitary landfill, or by other procedures approved by state and local authorities.

14. TRANSPORTATION INFORMATION

Transport Canada (TDG): Limited Quantity.

U.S. Department of Transportation (DOT): Limited Quantity.

15. REGULATION

Occupational Health & Safety Regulations:

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

Toxic Substances Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory

Canadian Non-Domestic Substance List (NDSL): All ingredients are listed.

California Prop. 65

The following components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and/or reproductive toxicity: Tetrachloroethylene.

HMIS III Rating

Health: 3

Flammability: 0

Physical: 0

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet