

# SAFETY DATA SHEET

## Lloyds Laboratories Inc. Kleens-It Electronic Contact Cleaner Aerosol Part #51208

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

**Identification of Preparation:** Kleens-It Electronic Contact Cleaner  
**Date of Safety Data Sheet:** June 6, 2018  
**Use of Preparation:** Electronic contact cleaner.  
**Company Identification:** Lloyds Laboratories Inc.  
613 Neal Drive,  
Peterborough, Ontario  
K9J 6X7

**Company Telephone Number:** 800 361-6766

**24 Hour Telephone Number:** CANUTEC 613-996-6666 or \*666 for cell phone.

### 2. HAZARD IDENTIFICATION

#### Emergency Overview:

#### OSHA / WHMIS 2015 Hazards

Classification of substance or mixture

#### GHS-US/Canadian classification:

#### GHS Hazards

Flammable Aerosol Category 2 H223.

Flammable Liquids Category 2 H225.

Gases under Pressure Compressed Gases H280.

Acute Toxicity, Oral Category 3 H301.

Acute Toxicity, Dermal Category 3 H312.

Acute Toxicity, Inhalation Category 3 H331.

Specific Target Organ Toxicity – single exposure Category 1 H370.

#### Label Elements

#### GHS Labeling

#### Hazard Pictograms (GHS):



**Signal Word (GHS):** Danger!

#### Hazard Statements (GHS):

H223: Flammable aerosol.

H225: Highly flammable liquid and vapour.

H280: Contains gas under pressure, may explode if heated.

H301: Toxic if swallowed.

# SAFETY DATA SHEET

## Lloyds Laboratories Inc. Kleens-It Electronic Contact Cleaner Aerosol Part #51208

H312: Harmful in contact with skin.

H331: Toxic if inhaled

H370: Causes damage to organs

### Precautionary Statements (GHS):

P210: Keep away from heat, hot surfaces and direct sunlight.

P211: Do not spray on an open flame or other ignition source.

P252: Do not pierce or burn, even after use.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

### Response Statements (GHS):

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P321: Specific treatment (see supplemental first aid instructions on this label).

P331: Do NOT induce vomiting.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P391: Collect spillage.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical.

Ingredient	CAS#	% by Wt	Classification
Methanol	67-56-1	15-30	Flammable Liquids Category 2 – H225 Acute Toxicity, Oral Category 3 – H301 Acute Toxicity, Dermal Category 3 – H311 Acute Toxicity, Inhalation Category 3 – H331 STOT Single Exposure Narcotic Effect Category 3 - H336
Ethanol	64-17-5	60-100	Flammable Liquids Category 2 – H225 Serious Eye Damage/Eye Irritation Category 2A - H319
2-Propanol	67-63-0	15-30	Flammable Liquids Category 2 – H225 Acute Toxicity (Oral) Category 5 - H303 Serious Eye Damage/Irritation Category 2A – H319
Propane	74-98-6	3-15	Flammable Gases Category 2 – H221

# SAFETY DATA SHEET

## Lloyds Laboratories Inc. Kleens-It Electronic Contact Cleaner Aerosol Part #51208

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms persist consult physician.
<b>Eye Contact:</b>	Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
<b>Skin Contact:</b>	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
<b>Ingestion:</b>	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personnel. Never give anything to an unconscious person. Get medical aid.
<b>Notes to Physician:</b>	If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.

### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use caution when applying carbon dioxide in confined spaces. <b>SMALL FIRE:</b> Steam, CO <sub>2</sub> , dry chemical or inert gas (e.g., nitrogen). <b>LARGE FIRE:</b> Use foam, water fog or water spray. Water fog and spray are effective in cooling containers and adjacent structures. However, water can cause frothing and/or may not extinguish the fire. Water can be used to cool the external walls of vessels to prevent excessive pressure, ignition or explosion.
<b>Unsuitable extinguishing media:</b>	Water jet.
<b>Special exposure hazards:</b>	Fire or excessive heat may produce hazardous decomposition products.
<b>Special safety equipment:</b>	Self-contained positive pressure breathing apparatus and protective clothing.
<b>Fire and explosion:</b>	Flammable aerosol. Under fire conditions closed containers may rupture or explode. Bursting aerosol containers may be propelled from fire at high speed. Vapours may travel long distances along the ground before igniting/flashing back vapour to source.
<b>Further information:</b>	Keep containers and surroundings cool with water spray.

### 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 mist.

#### **For Non-Emergency Personnel**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

# SAFETY DATA SHEET

## Lloyds Laboratories Inc. Kleens-It Electronic Contact Cleaner Aerosol Part #51208

**Emergency Procedures:** Ventilate area.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any powder spills with dikes 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:**

Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation.

### **Information about fire - and explosion protection:**

Keep respiratory protective device available.

No special measures required.

### **Conditions for safe storage, including any incompatibilities**

#### **Storage:**

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in original container, keep closed in a secure location.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory protection:** Use local exhaust or dilution ventilation.

**Hand protection:** Chemical resistant gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Use body-covering clothing.

**Working hygiene:** Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

### **Exposure Guidelines:**

**Ethanol CAS# 64-17-5:** TWA 1,000 ppm USA. ACGIH Threshold Limit Values (TLV)

**Methanol CAS# 67-56-1:** ACGIH TLV-TWA: 200 ppm, skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Odour</b>	Solvent scent.
<b>Appearance</b>	Clear.	<b>Odour Threshold</b>	No data available.
<b>Colour</b>	White.	<b>Remarks/Method</b>	
<b>Property</b>			
<b>pH</b>	Not applicable.	<b>None known</b>	

# SAFETY DATA SHEET

## Lloyds Laboratories Inc. Kleens-It Electronic Contact Cleaner Aerosol Part #51208

	(solvent).	
<b>Melting/Freezing Point</b>	No data available.	<b>None known.</b>
<b>Boiling Point/Range</b>	No data available.	<b>None known.</b>
<b>Flash Point</b>	Closed cup: -9°C (15.8°F) .[Tagliabue (ASTM D-56)].	<b>None known.</b>
<b>Evaporation Rate</b>	Similar.	<b>None known.</b>
<b>Flammability (solid, gas)</b>	Flammable.	<b>None known.</b>
<b>Flammability Limit in Air:</b>		
<b>Upper Limit</b>	6.7%.	<b>None known.</b>
<b>Lower Limit</b>	1%.	<b>None known.</b>
<b>Vapour Pressure</b>	1352.4 kPa at 20 C.	<b>None known.</b>
<b>Vapour density</b>	No data available.	<b>None known.</b>
<b>Specific Gravity</b>	0.810 g/cm <sup>3</sup> @ 15.5C.	
<b>Water Solubility</b>	Not soluble.	<b>None known.</b>
<b>Solubility Other Solvents</b>	No data available.	<b>None known.</b>
<b>Partition Coefficient:</b>		
<b>n-octanol/water</b>	No data available.	<b>None known.</b>
<b>Autoignition temperature</b>	No data available.	<b>None known.</b>
<b>Decomposition</b>	No data available.	<b>None known.</b>
<b>Temperature</b>		
<b>Viscosity</b>	< 20 c St.	<b>None known.</b>
<b>Dynamic Viscosity</b>	No data available.	<b>None known.</b>
<b>Explosive Properties</b>	No data available.	<b>None known.</b>
<b>Oxidizing Properties</b>	No data available.	<b>None known.</b>

### Other Properties:

<b>Softening Point</b>	No data available.
<b>VOC Content %</b>	No data available.
<b>Particle Size</b>	No data available.
<b>Particle Size Distribution</b>	No data available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable at normal ambient temperature and pressure.
<b>Chemical stability</b>	No decomposition if stored and applied as directed.
<b>Conditions to avoid</b>	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas. Do not store with strong oxidizing agents.
<b>Hazardous decomposition products</b>	Hazardous gases and vapours produced in fire are oxides of carbon.
<b>Materials to avoid</b>	Oxidizing agents.
<b>Hazardous polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Acute toxicity:** Orally toxic.

### LD/LC50 values relevant for classification

Not classified.

# SAFETY DATA SHEET

## Lloyds Laboratories Inc. Kleens-It Electronic Contact Cleaner Aerosol Part #51208

**Routes of Entry** Inhalation, ingestion, eye or skin contact.

**On the skin:** Causes skin irritation.

**On the eye:** Causes serious eye irritation.

**Inhalation:**

**Ingestion:**

**Respiratory Sensitization:** Not a respiratory sensitizer.

**Skin Sensitization:** This product is not expected to cause skin sensitization.

**Additional toxicological information:**

**Carcinogenicity:**

**Chemical Name CAS Number IARC NTP OSHA**

No ingredient listed.

**Chronic Effects:**

**Mutagenicity:** No evidence of a mutagenic effect.

**Teratogenicity:** No evidence of a teratogenic effect (birth defect).

**Sensitization:** No data available for mixture.

**Reproductive:** No evidence of negative reproductive effects.

**Target Organ Effects:**

**Acute:** No information available.

**Chronic:** None known.

### 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Not classified.
<b>Persistence and Degradability:</b>	Not available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	Not available.
<b>Other Adverse Effects::</b>	
<b>Other Information:</b>	Avoid release to the environment.
<b>Aquatic Toxicity:</b>	No data available.
<b>Toxicity to algae, fish invertebrates:</b>	No data available.
<b>Biodegradation:</b>	No data available.

### 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.

**Empty Containers:** Do not pierce, drill or burn even after use. Container under pressure.

### 14. TRANSPORTATION INFORMATION

**Canadian TDG (Road & Rail):** Regulated material (limited quantity).

Shipping Name: Aerosols.

Hazard class: 2.1.

Identification number: UN 1950.

**U.S. Department of Transportation (DOT):** Regulated material (limited quantity).

Shipping Name: Aerosols.

Hazard class: 2.1.

# SAFETY DATA SHEET

## Lloyds Laboratories Inc. Kleens-It Electronic Contact Cleaner Aerosol Part #51208

Identification number: UN 1950.

**Water Transportation (IMO):** Regulated material (limited quantity).

Shipping Name: Aerosols.

Hazard class: 2.1.

Identification number: UN 1950.

**Air Transportation (IATA):** Regulated material (limited quantity).

Shipping Name: Aerosols.

Hazard class: 2.1.

Identification number: UN 1950.

### 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).

#### International Inventories

<b>TSCA</b>	Complies.
<b>DSL/NDSL</b>	Complies.
<b>EINECS/ELINCS</b>	Complies.
<b>ENCS</b>	Complies.
<b>IECSC</b>	Complies.
<b>KECL</b>	-
<b>PICCS</b>	-
<b>AICS</b>	Complies.

#### Legend:

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List.

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances.

**ENCS** - Japan Existing and New Chemical Substances.

**IECSC** - China Inventory of Existing Chemical Substances.

**KECL** - Korean Existing and Evaluated Chemical Substances.

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances.

**AICS** - Australian Inventory of Chemical Substances.

#### U.S. State Regulations

##### California Proposition 65

This product does not contain any Proposition 65 chemicals.

##### HMIS III Rating

# SAFETY DATA SHEET

## Lloyds Laboratories Inc. Kleens-It Electronic Contact Cleaner Aerosol Part #51208

Health: 3 Serious Hazard.

Flammability: 0 Minimal Hazard.

Physical: 0 Minimal Hazard.

Personal Protection: B.

SDS (GHS HazCom 2012 and WHMIS 2015).

### 16. OTHER INFORMATION

**Prepared By:** Technical Department

**Issuing Date:** October 6, 2017

**Revision Date:** June 6, 2018

**Revision Notes:** Format, etc. updates, Hazard Identification, Composition, Physical and Chemical Properties, Exposure Controls, Transportation and Regulatory sections updated.

**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**