

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Kleens-It Citrus Cleaner Degreaser Aerosol – Part # 51120

302-025

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

Identification of Preparation: Kleens-It Citrus Cleaner Degreaser Aerosol

Date of Safety Data Sheet: April 13, 2015

Use of Preparation: Biodegradable solvent

Company Identification: Lloyds Laboratories Inc.
613 Neal Drive,
Peterborough,
Ontario
K9J 6X7

Company Telephone Number: 1 800 361-6766.

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

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA / WHMIS 2015 Hazards

Aspiration Hazard.

Flammable Aerosol.

Skin Sensitizer.

Eye and skin irritant

Classification of substance or mixture

GHS-US/Canadian classification:

GHS Hazards

Flammable Aerosol Category 1.

Skin Irritant Category 2.

Eye Irritant 2 A.

Aspiration Hazard Category 1.

Skin Sensitizer Category 1.

Label Elements

GHS Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger.

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Hazard Statements (GHS):

- H222 Extremely flammable aerosol.
- H 280 Compressed gas.
- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.

Precautionary Statements (GHS):

- P102 Keep out of reach of children.
- 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+P271 Avoid breathing mist/vapours/ spray use in a well ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.

Response (GHS):

- P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P331 Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash before reuse.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison centre /doctor if you feel unwell.
- P391 Collect Spillage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt	Classification
Butane	106-97-8	3-15	Flammable Gas Category 1 – H220
D-Limonene	5989-27-5	60-100	Flammable Liquid Category 3 – H226 Skin Irritant Category 2 – H315 Skin Sensitizer Category 1 – H317

4. FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If symptoms persist consult physician.
- Eye Contact:** Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the

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Skin Contact:	upper and lower eyelids. Get medical attention immediately. Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion:	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.
Notes to Physician:	Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water spray or fog, foam, dry chemical, CO2.
Unsuitable extinguishing media:	None known.
Special exposure hazards	Fire or excessive heat may produce hazardous decomposition products.
Special safety equipment: Fire and explosion	Self-contained positive pressure breathing apparatus and protective clothing. 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.
Further information	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

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: 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 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:

Ensure good ventilation/exhaustion at the workplace.

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Prevent formation of mist. Do not pierce or burn, even after use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Keep container tightly sealed.

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

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:

Butane

106-97-8 STEL: 1000 ppm (vacated) TWA: 800 ppm

(vacated) TWA: 1900 mg/m³ TWA: 800 ppm TWA: 1900 mg/m³

Propane

74-98-6 TWA: 1000 ppm TWA: 1000 ppm TWA: 1800 mg/m³ IDLH: 2100 ppm

TWA: 1000 ppm TWA: 1800 mg/m³.

9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight:

No data available.

Evaporation Rate (BuAc=1):

No data available.

Appearance:

Aerosol clear colourless liquid.

Vapour Density (Air=1):

No data available.

Odour:

Citrus scent.

Specific Gravity:

0.810 g/cm³ @ 15.5C.

Odour Threshold:

No data available.

Solubility in Water:

Not Soluble.

PH:

No data available.

Log Pow (calculated):

No data available.

Melting Point:

No data available.

Autoignition Temperature:

No data available.

Boiling Point/Range:

No data available.

Decomposition Temperature:

No data available.

Flash Point:

220 °F , ASTM D 93

Viscosity:

< 20 c St..

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Flammable Limits in Air:

Lower Explosion limit: No data available.

Upper Explosion limit: No data available.

Percent Volatile by Volume: No data available.

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal ambient temperature and pressure.
Chemical stability	No decomposition if stored and applied as directed.
Conditions to avoid	Keep away from heat and sources of ignition.
Hazardous decomposition products	Hazardous gases and vapors produced in fire are oxides of carbon.
Materials to avoid	Oxidizing agents.
Hazardous polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification

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

D-Limonene CAS # 5989-27-5:

LD50 oral rat 3600 mg/kg;

LC50 dermal rabbit 5000 mg/kg.

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. D-Limonene is a skin sensitizer.

Reproductive: No evidence of negative reproductive effects.

Target Organ Effects:

Acute: No information available.

Chronic: None known.

12. ECOLOGICAL INFORMATION

Toxicity:	Not classified.
Persistence and Degradability:	Not available.
Bioaccumulative Potential:	D-Limonene: An estimated BCF of 660 suggests the potential for bio concentration in aquatic organisms is high.
Mobility in Soil:	Not available.
Other Adverse Effects	

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Other Information:	Avoid release to the environment.
Aquatic Toxicity:	Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.
Toxicity to algae, fish invertebrates	No data available.
Biodegradation:	Readily biodegradable. OECD Test Guideline 301F (28 d): 85 %.

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: Empty containers retain product residue (liquid and /or vapor) and can be dangerous. **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..

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT): Limited quantity. UN 1950 Aerosols, Class 2.1.

Canadian TDG (Road & Rail): Limited quantity. UN 1950 Aerosols, Class 2.1.

15. REGULATION

Toxic Substances Control Act (TSCA): Listed.

US EPA CERCLA Hazardous Substances (40 CFR 302): None.

California PROP 65: None.

Canadian Domestic Substance List (DSL): Listed.

HMIS III Rating:

Health: 1

Flammability: 2

Physical: 0

Personal Protection: B

SDS US (GHS HazCom 2012).

SDS CDN (GHS WHIMS 2015).

16. OTHER INFORMATION

Prepared By: Technical Department

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Disclaimer:

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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