

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Kleens-It Non Flammable Brake Parts Cleaner – Part #52304, 52320

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

Identification of Preparation: Kleens-It Non Flammable Brake Parts Cleaner

Date of Safety Data Sheet: October 5, 2017

Use of Preparation: Nonflammable brake parts 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:

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2

Carcinogenicity Category 1B

Reproductive toxicity Category 1B

Aspiration hazard Category 2

Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated Category 2 (kidney, liver, nervous system) exposure

Label Elements

GHS Labeling

Hazard Pictograms (GHS):



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Signal Word (GHS): Danger.

PHYSICAL HAZARDS:

HEALTH HAZARDS:

H305: May be harmful if swallowed and enters airways.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancers if inhaled.

H360: May damage fertility or the unborn child.

ENVIRONMENTAL HAZARDS:

H401: Toxic to aquatic life.

Prevention:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P243: Take precautionary measures against static discharge.

P260: Do not breathe dust/fume/gas/mist/vapour/spray.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

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

P273: Avoid release to the environment.

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

Response:

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

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

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313: IF exposed or concerned: Get medical advice/attention.

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.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

Storage:

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

Supplemental information

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt	Classification
tetrachloroethylene	127-18-4	60-100	Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Carcinogenicity Category 1B

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			Reproductive toxicity Category 1B Specific target organ toxicity, single exposure Category 3 narcotic effects Specific target organ toxicity, repeated Category 2 (kidney, liver, nervous system) exposure
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4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms persist consult physician. May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Edema. Jaundice. Prolonged exposure may cause chronic effects.
Eye Contact:	Remove contacts. Flush with water for at least 20 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:	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.

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. During fire, gases hazardous to health may be formed. When exposed to extreme heat or hot surfaces, vapours may decompose to harmful or fatal corrosive gases such as hydrogen bromide, hydrogen chloride and possibly phosgene.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion:	None known.
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

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. 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.

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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 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

Handling

Advice on safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe the mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

Storage

Requirements for storage areas and containers: Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

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:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
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US. OSHA	Table Z-2 (29 CFR 1910.1000)	
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Components	Type	Value
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tetrachloroethylene	Ceiling 200 ppm	TWA 100 ppm
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Exposure controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Personal protective equipment

Hygiene measures:

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene

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practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight:	No data available.	Evaporation Rate (BuAc=1):	No data available.
Appearance:	Clear colourless liquid.	Vapour Density (Air=1):	No data available.
Odour:	Solvent scent.	Specific Gravity:	1.61 g/cm ³ @ 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:	No data available.	Viscosity:	No data available.
Flammable Limits in Air:	No data available.	Percent Volatile by Volume:	No data available.
Lower Explosion limit:	No data available.		
Upper Explosion limit:	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:	Contact with incompatible materials. When exposed to extreme heat or hot surfaces, vapours may decompose to harmful or fatal corrosive gases such as hydrogen bromide, hydrogen chloride and possibly phosgene.
Hazardous decomposition products:	Hydrogen chloride. Hydrogen bromide. Chlorine. Phosgene. Carbon oxides.
Materials to avoid:	Acids. Bases. Strong oxidizing agents. Powdered metal. Sodium. Amines. Oxygen. Peroxide.
Hazardous polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Ingestion Single dose oral toxicity is considered to be extremely low. Swallowing large amounts may cause injury if aspirated into the lungs. This may be rapidly absorbed through the lungs and result in injury to other body systems.

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Symptoms related to the physical, chemical and toxicological characteristics

May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Irritation of nose and throat. Skin irritation. May cause redness and pain. Edema. Jaundice.

Information on toxicological effects

Acute toxicity Narcotic effects.

Tetrachloroethylene (CAS 127-18-4).

Dermal LD50 Rabbit > 3228 mg/kg.

Acute Inhalation LC50 Rat 3786 ppm, 4 hours *vapour*.

Oral* Estimates for product may be based on additional component data not shown. LD50 Rat 2629 mg/kg.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye Causes serious eye irritation.

Irritation

Respiratory sensitization: Not a respiratory sensitizer.

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

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Germ cell mutagenicity.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity.

Tetrachloroethylene (CAS 127-18-4) 2A. Probably carcinogenic to humans.

US. National Toxicology Program (NTP). Report on Carcinogens.

Tetrachloroethylene (CAS 127-18-4). Reasonably Anticipated to be a Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050).

Not regulated.

Reproductive toxicity May damage fertility or the unborn child.

Specific target organ toxicity - single exposure May cause drowsiness and dizziness.

Specific target organ toxicity -repeated exposure.

May cause damage to organs (kidney, liver, nervous system) through prolonged or repeated exposure.

Aspiration hazard: Not an aspiration hazard.

Chronic effects: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged or repeated exposure.

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12. ECOLOGICAL INFORMATION

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

U.S. Department of Transportation (DOT): UN1897, TETRACHLOROETHYLENE, 6.1, III

Canadian TDG (Road & Rail): UN1897, TETRACHLOROETHYLENE, 6.1, III

15. REGULATION

Canadian Domestic Substance List (DSL): Listed.

Personal Protection: B.

SDS US (GHS HazCom 2012).

SDS CDN (GHS WHIMS 2015).

16. OTHER INFORMATION

Prepared By: Technical Department

Issuing Date: October 5, 2017

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