

SAFETY DATA SHEET
Lloyds Laboratories Inc.
Lock De-Icer & Lubricant – Part #91999

302-078

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

Identification of Preparation: Lock De-Icer & Lubricant
Date of Safety Data Sheet: March 22, 2017
Use of Preparation: De-icer and lubricant.
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:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1920.1200).

Classification of substances or mixture

GHS-US/Canadian classification:

Serious Eye Damage / Eye Irritation (category 2).

Flammable Liquids (category 2).

STOT (category 3).

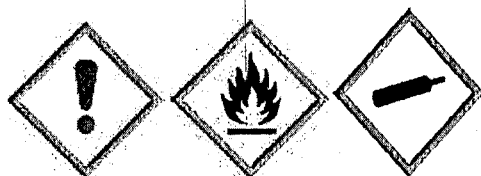
Flammable Aerosol Category 1.

Gas under pressure.

Label Elements

GHS-US/Canada Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger.

Hazard Statements (GHS):

Flammable aerosol.

Compressed gas.

Causes serious eye irritation.

May cause drowsiness and dizziness.

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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.

P273 Avoid release to the environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend.

Ingredient	CAS#	% by Wt	Classification
Propan-2-ol	67-63-0	40-60	Flammable Liquids (category 2) Eye irritation (Category 2B) Specific target organ toxicity- single exposure (category 3)
Propane	74-98-6	3-15	Flammable Gas Category 2 – H221

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms persist consult physician. May cause drowsiness if insufficient ventilation.
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.

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Special exposure hazards:	None known.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion:	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:	None.

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:

Ensure good ventilation/exhaustion at the workplace.

Use with adequate ventilation. Avoid breathing vapours.

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.

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:

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.

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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:	Propan-2-ol ACGIH TLV TWA 200 ppm 8 hours STEL 400 ppm 15 minutes OSHA TWA 400 ppm 8 hours STEL 500 ppm 15 minutes

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Clear liquid.	Odour	Typical, alcohol like.
Appearance		Odour Threshold	No data available.
Colour	Clear to amber.		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	Not applicable.	
Melting/Freezing Point		
Boiling Point/Range	82.22 C 180 F	
Flash Point	12.22°C 54 F(TCC)	
Flammability (solid, gas)	Liquid.	
Flammability Limit in Air:		
Upper Limit	2 % (V)	
Lower Limit	12.7 %(V)	
Vapour Pressure	No data available.	
Vapour density	No data available.	
Specific Gravity	0.77-0.80	
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.	
Dynamic Viscosity	No data available.	
Explosive Properties	No data available.	
Oxidizing Properties	No data available.	

Other Properties:

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SDS: Lock de-Icer & Lubricant

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

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal conditions of use.
Chemical stability	Stable at normal conditions of use.
Thermal decomposition/conditions to avoid:	
Possibility of hazardous reactions	None known.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation..
Hazardous decomposition products	
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
Propan-2-ol:
LD 50 oral rat > 1,800mg/kg.
LD 50 Dermal rabbit > 5,000 mg/kg.

on the eye: irritation.
Sensitization: Not a sensitizer.
Additional toxicological information:

12. ECOLOGICAL INFORMATION

Toxicity:	No significant effects or critical hazards.
Persistence and Degradability:	No significant effects or critical hazards.
Bioaccumulative Potential:	Not available.
Mobility in Soil:	Not available.
Other Adverse Effects:	No significant effects or critical hazards.
Other Information:	Avoid release to the environment.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional,

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national, and international regulations.
Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT): Limited quantity. UN 1950 Aerosols Flammable, Class 2.1.
Canadian TDG (Road & Rail): Limited quantity. UN 1950 Aerosols Flammable, Class 2.1.

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).

Environmental Regulatory Lists:

SARA: Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of the ingredients are listed.

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: **none**.

SARA Section 311/312 Hazard Classes Immediate (acute) Health Hazard. Fire Hazard. Delayed (chronic) Health Hazard.

HMIS III Rating

Health: 2

Flammability: 2

Physical: 0

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015).

16. OTHER INFORMATION

Prepared By: Technical Department Lloyds Laboratories Inc.

Issuing Date: 22 March 2017

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