

# SAFETY DATA SHEET

## Lloyds Laboratories Inc.

### Engine Shampoo – Part #72120, 72145

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

**Identification of Preparation:** Engine Shampoo

**Date of Safety Data Sheet:** February 15, 2018

**Use of Preparation:** 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

Aspiration Hazard.

Flammable Liquid.

Eye and skin irritant.

##### Classification of substance or mixture

##### GHS-US/Canadian classification:

##### GHS Hazards

FLAMMABLE LIQUIDS - Category 3.

SKIN IRRITATION - Category 2.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3.

ASPIRATION HAZARD - Category 1.

AQUATIC HAZARD (ACUTE) - Category 3.

AQUATIC HAZARD (LONG-TERM) - Category 3.

##### Label Elements

##### GHS Labeling

##### Hazard Pictograms (GHS):



**SAFETY DATA SHEET**  
**Lloyds Laboratories Inc.**  
**Engine Shampoo – Part #72120, 72145**

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

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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.

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.

P501 Dispose of contents/container to an approved waste disposal plant.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical Description:** Chemical.

Ingredient	CAS#	% by Wt	Classification
Light Hydrotreated Petroleum Distillate.	64742-47-8	60-100	Flammable Liquid Category 3 – H225 Skin Irritant Category 2 – H315 Aspiration Toxicity 1- H304 STOT SE 3- H336

# SAFETY DATA SHEET

## Lloyds Laboratories Inc.

### Engine Shampoo – Part #72120, 72145

#### 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. SMALL FIRE: Steam, CO <sub>2</sub> , dry chemical or inert gas (e.g., nitrogen). LARGE FIRE: 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>	Highly flammable liquid and vapour. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static accumulation may be significantly increased by the presence of small quantities of water or other contaminants. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
<b>Further information:</b>	Keep containers and surroundings cool with water spray.

# SAFETY DATA SHEET

## Lloyds Laboratories Inc.

### Engine Shampoo – Part #72120, 72145

#### 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.

**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. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. Non equilibrium conditions may increase the fire hazard associated with this product. Always bond receiving containers to the fill pipe before and during loading. Always confirm that receiving container is properly grounded. Bonding and grounding alone may be inadequate to eliminate fire and explosion hazards. Carefully review operations that may increase the risks such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. In addition to bonding and grounding, efforts to mitigate the hazards may include, but are not limited to, ventilation, inerting and/or reduction of transfer velocities. Always keep nozzle in contact with the container throughout the loading process. Do NOT fill any portable container in or on a vehicle.

##### **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. Keep

# SAFETY DATA SHEET

## Lloyds Laboratories Inc.

### Engine Shampoo – Part #72120, 72145

container tightly closed and sealed until ready for use. 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

<b>Respiratory protection:</b>	Use local exhaust or dilution ventilation.
<b>Hand protection:</b>	Chemical resistant gloves.
<b>Eye protection:</b>	Safety goggles.
<b>Skin protection:</b>	Use body-covering clothing.
<b>Working hygiene:</b>	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.
<b>Exposure Guidelines:</b>	Chemical Name Hydrotreated light distillate TWA STEL PEL STEL ACGIH TLV OSHA PEL 200 mg/m <sup>3</sup> (as total hydrocarbon) Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Weight:</b>	No data available.	<b>Evaporation Rate (BuAc=1):</b>	No data available.
<b>Appearance:</b>	Clear colourless liquid.	<b>Vapour Density (Air=1):</b>	No data available.
<b>Odour:</b>	Solvent scent.	<b>Specific Gravity:</b>	0.810 g/cm <sup>3</sup> @ 15.5C.
<b>Odour Threshold:</b>	No data available.	<b>Solubility in Water:</b>	Not Soluble.
<b>pH:</b>	No data available.	<b>Log Pow (calculated):</b>	No data available.
<b>Melting Point:</b>	No data available.	<b>Autoignition Temperature:</b>	No data available.
<b>Boiling Point/Range:</b>	No data available.	<b>Decomposition Temperature:</b>	No data available.
<b>Flash Point:</b>	Closed cup: -9°C (15.8°F). [Tagliabue (ASTM D-56)].	<b>Viscosity:</b>	< 20 c St.
<b>Flammable Limits in Air:</b>	Lower: 1%. Upper: 6.7%.	<b>Percent Volatile by Volume:</b>	No data available.
<b>Lower Explosion limit:</b>	No data available.		
<b>Upper Explosion limit:</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,

# SAFETY DATA SHEET

## Lloyds Laboratories Inc.

### Engine Shampoo – Part #72120, 72145

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.

**Hazardous decomposition products** Hazardous gases and vapours 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:

Heptane is a CNS depressant and narcosis at elevated concentrations.

#### LD/LC50 values relevant for classification

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

Oral: LD 50 > 5g/kg-bw.

Dermal: LD 50 > 2g/kg-bw.

Inhalation: LC 50=65-103 mg/L (Vapour) 4 hr. Rat.

#### 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

**Toxicity:** Not classified.

**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.

# SAFETY DATA SHEET

## Lloyds Laboratories Inc.

### Engine Shampoo – Part #72120, 72145

#### 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):** Class 3, flammable liquid, UN 1993,n.o.s. (contains Distillates Petroleum hydrotreated light) PGII.

**Canadian TDG (Road & Rail):** Class 3, flammable liquid, UN 1993,n.o.s. (contains Distillates Petroleum hydrotreated light ) PGII.

#### 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.

Personal Protection: B.

**SDS US** (GHS HazCom 2012).

**SDS CDN** (GHS WHIMS 2015).

#### 16. OTHER INFORMATION

**Prepared By:** Technical Department

**Issuing Date:** February 15, 2018

##### **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**