

302-082

SAFETY DATA SHEET
Lloyds Laboratories Inc.
Air Brake Anti-Freeze – Part #92801, 92804, 92820

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

Identification of Preparation: Air Brake Anti Freeze
Date of Safety Data Sheet: March 22, 2017

Use of Preparation: Anti Freeze.

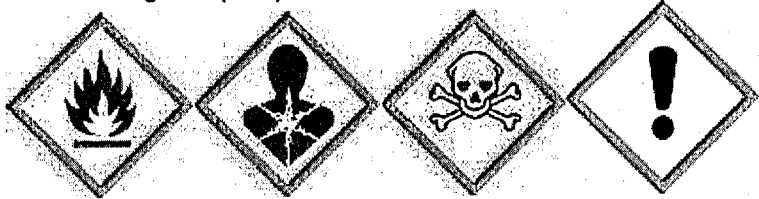
Company Identification: Lloyds Laboratories Inc.
613 Neal Drive,
Peterborough,
Ontario
K9J 6X7

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
Poison, Flammable.
Classification of substance or mixture
GHS-US/Canadian classification:
GHS Hazards
Flammable liquid 2 H225.
Acute Tox. 4 (Oral) H302.
Eye Irritation 2 H319.
Skin Irritation 2 H315.
STOT-SE 1 H 370.
Label Elements
GHS Labeling
Hazard Pictograms (GHS):



Signal Word (GHS): Danger.
Hazard Statements (GHS):
H225 Highly Flammable liquid and vapour.
H301+H311+ H331 Toxic if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H370 Causes damage to organs (liver, kidneys, central nervous system, optic nerve).

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Air Brake Anti-Freeze – Part #92801, 92804, 92820

Precautionary Statements (GHS):

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

P 233 Keep container tightly closed.

P240 Ground bond container and receiving equipment.

P 241 Use explosion proof electrical, ventilating, lighting equipment.

P 242 Use only non-sparking tools.

P 243 Take precautionary measures against static discharge.

P 260 Do not breathe mist, vapours, spray.

P 264 Wash exposed skin thoroughly after handling.

P 270 Do not eat, drink or smoke when using this product.

P 271 Use only outdoors or in a well ventilated area.

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

P264 Wash thoroughly after handling.

Response (GHS):

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

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

P 304+ P 340- IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.

P370+ P378 In case of fire Use carbon dioxide, powder or alcohol resistant foam for extinction.

P 403+ P233 Store in a well ventilated place. Keep container tightly closed.

P 234 Keep cool.

P 405 Store locked up.

P 501 Dispose of contents/container to comply with local, state and federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend.

Ingredient	CAS#	% by Wt	Classification
Methanol	67-56-1	90-100	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Eye Irrit. 2A, H319 STOT SE 1, H370

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 upper and lower eyelids. Repeat if required. If irritation persists get medical attention.

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.

Notes to Physician: Treatment based on judgment of attending physician.

SAFETY DATA SHEET

Lloyds Laboratories Inc.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Preferably: alcohol resistant foam, water spray, BC powder, carbon dioxide.
Unsuitable extinguishing media:	Solid water jet ineffective.
Special exposure hazards:	Fire or excessive heat may produce hazardous decomposition products.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion:	Vapour explosive with air within explosion limits.
Further information:	Keep containers and surrounding 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 with absorbent 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. Comply with all legal requirements. Do not discharge waste into drain. Do not use compressed air for pumping over. Use spark/explosion proof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Keep container tightly closed. Measure the concentration in the air regularly. Work under local exhaust/ventilation. Prevent formation of mist.

Information about fire - and explosion protection:

Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location. Away from heat sources, ignition sources.

Information about storage in one common storage facility:

Do not store together with acid, oxidising agents, combustible materials, halogens and amines.

Store away from reducing agents.

Store away from foodstuffs.

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Air Brake Anti-Freeze – Part #92801, 92804, 92820

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.

Materials to avoid lead, aluminum, zinc, polyethylene and PVC.

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:	If in air at above exposure limit wear gas mask with filter A.

Source Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Methanol	200 ACGIH	260 OSHA PEL	200 ACGIH	Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid.	Vapour Density (Air=1):	No data available.
Odour:	Typical.	Specific Density:	No data available.
Odour Threshold:	No data available.	Solubility in Water:	Soluble.
PH:	Not applicable.	Log Pow (calculated):	Not established.
Melting Point:	Estimated 0 C	Autoignition Temperature:	No data available.
Boiling Point:	No data available.	Decomposition Temperature:	No data available.
Flash Point:	No data available.	Viscosity:	No data available.
Flammable Limits in Air:	5.5 % to 36.5 % (Methanol).	Percent Volatile by Volume:	No data available.

10. STABILITY AND REACTIVITY

Reactivity:	Stable at normal ambient temperature and pressure. Violent reaction with some acids and some halogen compounds.
Chemical stability:	No decomposition if stored and applied as directed.
Thermal decomposition/conditions to avoid:	Stable under normal conditions. Direct sunlight, high temperatures, incompatible materials, open flame, sparks, overheating.
Possibility of hazardous reactions:	Reacts with acids. Reacts with reducing and oxidizing agents, acids.
Conditions to avoid:	Store away from reducing agents, oxidizing agents, acids, and acid salts of heavy metals, organic materials and flammable substances.
Hazardous decomposition products:	Oxides of carbon.
Materials to avoid:	Reducing agents, oxidizing agents, acids, and acid salts of heavy metals, organic materials and flammable substances.
Hazardous polymerization:	Will not occur.

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11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification

Routes of Entry Inhalation, ingestion, eye or skin.

Methanol LD50 (Oral) Rat 1,187-2769 mg/kg.

Carcinogenicity:

Chemical Name ACGIH IARC NTP OSHA

No ingredient listed.

IARC: (International Agency for Research on Cancer)

None.

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

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

Sensitization: No evidence of a sensitization effect.

Reproductive: No evidence of negative reproductive effects.

Target Organ Effects:

Acute: Causes damage to organs (liver, kidneys, central nervous system, optic nerve.)

12. ECOLOGICAL INFORMATION

Toxicity: Not classified.

Persistence and Degradability: Not available.

Bioaccumulative Potential: Not available.

Mobility in Soil: Not available.

Other Adverse Effects:

Other Information: Avoid release to the environment.

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.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT):

Class 3 UN 1993 Flammable Liquid n.o.s. (methanol solution) PG III

Canadian TDG (Road & Rail):

Class 3 UN 1993 Flammable Liquid n.o.s. (methanol solution) PG III

Water Transportation (IMO):

Class 3 UN 1993 Flammable Liquid n.o.s. (methanol solution) PG III

Air Transportation (IATA):

Class 3 UN 1993 Flammable Liquid n.o.s. (methanol solution) PG III

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15. REGULATION

EPA TSCA Inventory Appears.
Canadian DSL Appears.
EINECS Appears.
WHMIS Classification: Class D-Div 2 Very toxic materials causing other toxic effects. Class B-Div 2 Flammable Liquid.

HMIS III Rating:

Health: 3

Flammability: 3

Physical: 0 Minimal Hazard.

Personal Protection: B

SDS US (GHS HazCom 2012) SDS Canada (GHS WHMIS 2015).

16. OTHER INFORMATION

Prepared By: Technical Department

Issuing Date: March 22, 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