

MATERIAL SAFETY DATA SHEET

Lloyds Laboratories Inc.

Pure Solve (Aerosol) Part #59220

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Pure Solve MANUFACTURER: Lloyds Laboratories Inc. ADDRESS: 613 Neal Drive, Peterborough, Ontario, K9J 6X7 EMERGENCY #: 1 800 361-6766	PRODUCT USE: Contact Cleaner. SUPPLIER: Lloyds Laboratories Inc. ADDRESS: 613 Neal Drive, Peterborough, Ontario, K9J 6X7 EMERGENCY #: 1 800 361-6766
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SECTION II: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-TWA	ACGIH-TWA	LD ₅₀
N-Propyl Bromide	106-94-5	10-30	Not Available	Not available	2950 mg/kg (oral/rat)
n-Propanol	71-23-8	1-5	492 ppm	492 ppm	1870 mg/kg (oral/rat)
1,1,1,2 Tetrafluoroethane	811-97-2	60-100	492 ppm	492 ppm	1870 mg/kg (oral/rat)

SECTION III: HAZARDOUS IDENTIFICATION

Route of Entry: Potential Health Effects: Eye Contact: Skin Contact: Inhalation: Ingestion: Chronic Effects Carcinogenicity: Teratogenicity, Mutagenicity, Reproductive Effects: Skin:	<p>Eye, skin contact, ingestion.</p> <p>May cause pain disproportionate to the level of irritation to the eye tissue. Low vapour concentrations may cause eye irritation.</p> <p>Brief contact may cause skin irritation with local redness.</p> <p>In confined or poorly ventilated conditions vapour can readily accumulate and cause unconsciousness and death in severe cases.</p> <p>Very low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting, resulting in rapid absorption and injury to other body systems.</p> <p>Not listed.</p> <p>The ingredients in this product were found to be mutagenic. In laboratory studies effects on reproduction have been seen only at levels that would be toxic to the mother.</p> <p>Repeated or prolonged exposures to dilutions can cause drying, defatting and dermatitis.</p>
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SECTION IV: FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. Holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin Contact: Flush with water. Remove contaminated clothing and launder before reuse.

Inhalation: Move victim to fresh air. If conscious, have victim take deep, slow breaths. Seek medical attention if symptoms persist.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if unconscious or convulsing.

SECTION V: FIRE FIGHTING MEASURES

Flammability: Not flammable.

Flash Point deg (C,TCC):

Means of Extinction: Use water spray to keep fire exposed containers cool. Dry chemicals, carbon dioxide. Fight fire from protected location or maximum possible distance.

Special Fire Hazards: Fire fighters should wear self contained breathing apparatus as for surrounding fire. Aerosol product- containers may rocket or explode.

Autoignition temperature: Not applicable.

Flame projection: Not flammable.

Sensitivity to static discharge: Not applicable.

Unusual Fire and Explosion Hazards. Aerosol product- containers may rocket or explode.

Hazardous decomposition products: Oxides of carbon, oxides of nitrogen.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Before attempting clean up, refer to the hazard data provided above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled container. For large quantities, dispose of in accordance with local, provincial/ state or federal regulations.

For large spills prevent from entering sewers and waterways. For large spills provide diking to prevent spreading. Dispose of by licensed waste disposal company.

Material will sink in water.

SECTION VII: HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN.

Store in a dry, cool and well ventilated area. Protect from freezing. Do not puncture or incinerate. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 F or 50 C. Do not pierce or burn, even after use.

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SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Use Viton or Nitrile gloves.
Eye Protection: If eye contact is possible chemical splash goggles are recommended.
Respiratory Protection: Not normally required if good ventilation is maintained and below the exposure guidelines. In confined or poorly ventilated areas use an approved self contained breathing apparatus.
Other Protective Equipment: As required by employer code. Eye bath, safety shower, protective clothing.
Engineering Controls: General ventilation normally required to maintain airborne levels below the exposure guidelines. Lethal concentrations may exist in areas with poor ventilation.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C)	N.Av.	Specific Gravity (H₂O = 1):	1.21-1.25	Evaporation Rate (water=1):	Not available
% Volatile (Wt%):	100 %	Solubility in water:	insoluble	pH (as supplied):	Not applicable
Physical State:	Liquid	Viscosity:			
Appearance / Odour:	Clear liquid with typical odour.				

SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable under normal conditions. Excessive heat or contamination could cause decomposition.
Incompatible Materials: Reducing agents, strong acids, strong caustics, iron and other metals.
Hazardous Decomposition Products: Oxides of carbon, Oxides of Nitrogen when heated.

SECTION XI: TOXICOLOGICAL INFORMATION

LD 50 values for individual components see section II
Skin Sensitization (OECD Sec. 406) Non sensitizing.

SECTION XII: ECOLOGICAL INFORMATION

Based on stringent OECD guidelines this product would not be considered as readily biodegradable. But this does not mean that the material is not biodegradable under environmental conditions. Biodegradation may occur under anaerobic conditions. Biodegradation rate may increase in soil and water with acclimation.

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SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of in accordance to all local, provincial/state and federal regulations.
DO NOT dump into sewers, on the ground or any body of water.

SECTION XIV: TRANSPORTATION

T.D.G. Classification:

D.O.T. Classification: Please refer to Bill of lading for up to date shipping information.

SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety

Regulations:

WHMIS Class:

Class D2B toxic. Class A compressed gas.

OSHA & WHMIS:

MSDS prepared pursuant to the Hazard Communication Standard (CFR29.1920.1200) and Canadian WHMIS regulations.

Toxic Substances Control Act (TSCA)

All ingredients are registered on the Chemical Substances Inventory.

Canadian Domestic Substance List (DSL):

All ingredients are registered on the DSL

SECTION XVI: OTHER INFORMATION

Date: April 15, 2016	Prepared By: Technical Services Group	Telephone: 1 800 361-6766
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Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of supplier, it is assumed that users of this material; have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400) or CSST in Montreal, Quebec (514-873-3990).