

**MATERIAL SAFETY DATA SHEET**  
**Lloyds Laboratories Inc.**

**BioSolve - Part # 77304, 77320, 77360**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

<b><u>PRODUCT NAME:</u></b>	BioSolve	<b><u>PRODUCT USE:</u></b>	Label and Adhesive Remover
<b><u>MANUFACTURER:</u></b>	Lloyds Laboratories Inc.	<b><u>MANUFACTURER:</u></b>	Lloyds Laboratories Inc.
<b><u>ADDRESS:</u></b>	613 Neal Drive, Peterborough, Ontario, K9J 6X7	<b><u>ADDRESS:</u></b>	613 Neal Drive, Peterborough, Ontario, K9J 6X7
<b><u>EMERGENCY #:</u></b>	1 800 361-6766	<b><u>EMERGENCY #:</u></b>	1 800 361-6766

**SECTION II: INFORMATION ON INGREDIENTS**

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TLV	LD <sub>50</sub>
Petroleum Distillates (Light Paraffinic)	64742-55-8	<90		Not determined	Rat 1400 ppm / 4 Hr.

**SECTION III: HAZARDOUS IDENTIFICATION**

Route of Entry:	Ingestion, Skin Contact, Inhalation.
Potential Health Effects:	
Eye Contact:	Dangerous in case of eye contact (irritant).
Skin Contact:	Dangerous in case of skin contact (permeater). Slightly dangerous to dangerous in case of skin contact (irritant). Very slightly to slightly dangerous in case of skin contact (sensitizer).
Inhalation:	Dangerous in case of inhalation.
Ingestion:	Dangerous in case of ingestion.
Chronic Effects:	The substance is toxic to blood, kidneys, liver. Remark: Exposure can cause coughing, chest pains, difficulty in breathing.
Carcinogenicity: Teratogenicity, Mutagenicity, Reproductive Effects: Skin:	No data is available on the toxicity of the product to the reproductive system.

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#### SECTION 1V: FIRST AID MEASURES

Eye Contact:	Check for and remove any contact lenses. DO NOT use an eye ointment. Seek medical attention.
Skin Contact:	If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and soap. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
Hazardous Skin Contact:	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. The product is a solvent irritating for the skin. It contains Petroleum distillates (light paraffinic) that are insoluble in water. If the victim still suffers after a long term rinsing with water we suggest rinsing the contaminated area (skin or eyes) with lukewarm pasteurized milk. After the pain has stopped, rinse thoroughly with running water to avoid possible infection. Seek medical attention.
Slight Inhalation:	Allow the victim to rest in a well ventilated area.
Hazardous inhalation:	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing perform mouth to mouth resuscitation. Seek medical attention.
Slight Ingestion:	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.
Hazardous ingestion:	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested: the absence of such signs however is not conclusive. Loosen tight clothing such as a collar, tie belt or waistband. If the victim is not breathing, perform mouth to mouth resuscitation. Seek medical attention.

#### SECTION V: FIRE FIGHTING MEASURES

Flammability:	Slightly flammable to flammable in presence of open flames, sparks, shocks, heat, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis, moisture.
Flash Point deg (C, TCC):	Keep container tightly closed. (Petroleum distillates (light paraffinic)). Closed cup. Between 37.8°C (100°F) and 61°C (142°F).
Flammable limits:	LOWER: 1 % (Petroleum distillates (light paraffinic)). UPPER: 6% (Petroleum distillates (light paraffinic)).
Means of Extinction:	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Fire Hazards:	The product is combustible.
Auto Ignition Temperature:	Not available.
Flame Propagation or Burning Rate of Solid:	
Sensitivity to Static Discharge:	
Unusual Fire and Explosion Hazards:	No specific information is available in our data base regarding the product's risks of explosion in the presence of various materials.
Hazardous Decomposition Products:	Not available.

#### SECTION VI: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures:	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
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#### SECTION VII: HANDLING AND STORAGE

Storage Requirements: Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

#### SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION

Gloves: Required.  
Eye Protection: Splash goggles.  
Respiratory Protection: Vapor respirator. A self contained breathing apparatus should be used to avoid inhalation of the product.  
Other Protective Equipment: Lab coat.  
Engineering Controls: Do not breathe gas, fumes, vapor, and spray. In case of insufficient ventilation wear suitable respiratory equipment.

#### SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C):	175°C	Specific Gravity (H <sub>2</sub> O = 1):	0.7 = 1	Evaporation Rate (water = 1):	
% Volatile (Wt%):	Not available	Solubility in water:	Easily soluble	pH (as supplied):	Not applicable
Physical State:	Liquid	Viscosity:		Vapor density	4.9 (Air=1)
Appearance / Odour:	Clear sparkling liquid. Slight Hydrocarbon odour.			Vapor pressure @ 20° C	9.75 mm of Hg

#### SECTION X: STABILITY AND REACTIVITY

Conditions for Chemical Instability: The product is stable.  
Incompatible Materials: Reactive with oxidizing agents.  
Slightly reactive to reactive with reducing agents, organic materials, acids, alkalis.  
Very slightly to slightly reactive with metals.  
Hazardous Decomposition Products: Not available.

#### SECTION XI: TOXICOLOGICAL INFORMATION

Ingestion: The substance is toxic to blood, kidneys, liver.

#### SECTION XII: ECOLOGICAL INFORMATION

Biodegradability: Biodegradable solvent.

#### SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of through a licensed waste management company. Dispose of in accordance to all local, provincial/state and federal regulations.

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#### SECTION XIV: TRANSPORTATION

T.D.G. Classification: TDG CLASS 3.3: Flammable liquid with a flash point between 23°C (73°F) and 61°C (142°F).  
Pin: 1993 Flammable liquid n.o.s. PG : III  
Remark: Meets exemption criteria under section 2.23.2(1) of the TDG REGULATIONS.

D.O.T. Classification:

#### SECTION XV: REGULATORY INFORMATION

Occupational Health and Safety Regulations:

WHMIS Class:

WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).

OSHA & WHMIS:

Environmental Regulatory Lists:

SARA – Section 313 (toxic Chemical Release Reporting) 40 CFR 372:

CERCLA – Section 102 (Reportable Quantity) 40 CFR 302:

RCRA 40 CFR 261 (Subpart D):

CLEAN WATER ACT – Section 311 (Reportable Qty) 40 CFR 116:

CLEAN AIR ACT – Section 312 (List of Hazardous Pollutants) 40 CFR 63 (Subpart C):

National Pollutant Release Inventory:

Toxic Substances Control Act (TSCA):

Canadian Domestic Substance List (DSL): Not on the DSL List.

#### 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.

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