

SAFETY DATA SHEET

Lloyds Laboratories Inc.
Kryptonite Liquid – Part # 36500

Issuing Date: March 1, 2016

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier:

Product Name Kryptonite Liquid

Other Identification Means:

Part # 36500

Use of Substance/Preparation and Restrictions:

Recommended Use: Industrial Coating.
Uses Advised Against: No information available.

SDS Supplier Details:

Company Name: Lloyds Laboratories Inc.
Company Identification: 613 Neal Drive
Peterborough, Ontario, K9J 6X7
Canada.
Company Telephone Number: 1-800-361-6766

24 Hour Telephone Number: CANUTEC 613-996-6666 or *666 for cell phone.

2. HAZARDS IDENTIFICATION

Classification:

This product is considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CER 1910.1200) and WHMIS 2015.

GHS Label Elements, including precautionary statement:

Emergency Overview:

The product contains substances which at given concentrations, are considered to be hazardous to health.

Appearance: Black

Physical State: Liquid

Odour: Sweet Solvent

Signal Word (GHS):

Danger!

Hazard Pictograms (GHS):



Hazard Statements (GHS):

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H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H351: Suspected of causing cancers if inhaled.
H361: Suspected of damaging fertility or the unborn child.
H372: Causes damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements (GHS) - Prevention:

P210: Keep away from heat/sparks/open flame and other ignition sources. No smoking.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (GHS) - Response:

P301+P311+ P330: IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove /Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340+P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Precautionary Statements (GHS) - Storage:

P403+P233+P235: Store in a well ventilated place. Keep container tightly closed. Keep cool.

Precautionary Statements (GHS) - Disposal:

P501: Dispose of contents/ container in accordance with local, regional, national, territorial, provincial, and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt	Classification
Toluene	108-88-3	30-40	*
Xylene	1330-20-7	15-20	*
Talc	14807-96-6	10-15	*
Ethyl Benzene	100-41-4	3-5	*

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Trizinc Bis Orthophosphate	7779-90-0	1-3	*
Glycol Ether EB	111-76-2	1-3	*
Zinc Oxide	1314-13-2	0.5-1	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures:

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. If skin irritation persists, get medical attention.

Inhalation:

Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.

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.

Most important symptoms and effects, both acute and delayed:

Skin irritation. Serious eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness. Ingestion may cause nausea, vomiting and diarrhea. May cause damage to lungs, brain and central nervous system through prolonged or repeated exposure via inhalation. May be fatal if swallowed and enters airways. Suspected of damaging fertility or the unborn child.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

General Information:

Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, CO₂, extinguishing powder, foam.

**Unsuitable Extinguishing Media
Specific Exposure Hazards**

Do not use a heavy water stream as it may scatter and spread the fire. Vapours may form explosive mixtures with air. Flash back possible over considerable distance. Closed containers may rupture when exposed to extreme heat. Air oxidation of this product may cause it to spontaneous combust. To avoid spontaneous combustion prevent residue build-up and soak soiled rags, spray booth filter and overspray in a closed water filled metal container. Do not pressurize, cut, weld, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition as the container may explode.

Hazardous Combustion Products

None known.

Explosion Data:

Sensitivity to Mechanical Impact:

None.

Sensitivity to Static Discharge:

None.

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Special safety equipment: Self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

General Measures: Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions:

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

Method for Containment: Contain any spills with inert absorbent to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with inert absorbent and dispose of waste safely.

Procedures for Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

Procedures for Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Reference to Other Sections: See Heading 8. Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Use appropriate personal protection equipment (PPE).
Avoid inhalation, skin and eye contact.
Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection: Keep respiratory protective device available.
No special measures required.

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Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Store in a cool location.
Avoid storage near extreme heat.

Information about storage in one common storage facility: 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): If exposure exceeds occupational limits (TLV value) wear air purifying respirator.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: No TLV data available on product.

Appropriate Engineering Controls:

Engineering Measures Use only in well ventilated areas. Exhaust ventilation if used indoors on a continuous basis.

Individual Protection Measures:

Eye protection: Safety goggles.

Skin protection: Use body-covering impervious clothing.

Hand protection: Chemical resistant gloves.

Respiratory protection: If exposure cannot be controlled below applicable limits, use approved NIOSH aspirator.

Working hygiene: Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Exposure Guidelines:

Toluene CAS # 108-88-3: USA ACGIH (TWA) 100 ppm (8 hours)
USA ACGIH (STEL) 150 ppm (8 hours)
USA OSHA (PEL) 100 ppm (8 hours)

Xylene CAS # 1330-20-7: USA ACGIH (TWA) 100 ppm (8 hours)
USA ACGIH (STEL) 150 ppm (8 hours)
USA OSHA (PEL) 100 ppm (8 hours)

Talc CAS # 14807-96-6: USA ACGIH (TWA) 2 ppm (8 hours)
USA OSHA (PEL) 3 ppm (8 hours)

Ethyl Benzene CAS # 100-41-4: USA ACGIH (TWA) 20 ppm (8 hours)

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USA OSHA (PEL) 100 ppm (8 hours)

Trizinc Bis Orthophosphate CAS # 7779-90-0: USA ACGIH (TWA) 10 ppm (8 hours)
USA ACGIH (STEL) 10 ppm (8 hours)

Glycol Ether EB CAS # 111-76-2: USA ACGIH (TWA) 20 ppm (8 hours)
USA OSHA (PEL) 50 ppm (8 hours)

Zinc Oxide CAS # 1314-13-2: USA ACGIH (TWA) 2 ppm (8 hours)
USA ACGIH (STEL) 10 ppm (8 hours)
USA OSHA (PEL) 5 ppm (8 hours)
USA OSHA (STEL) 10 ppm (8 hours)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid.	Odour	Sweet Solvent.
Appearance	Black.	Odour Threshold	No information available.
Colour	Black.		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	Not applicable.	None known.
Melting/Freezing Point	No data available.	None known.
Boiling Point/Range	No data available.	None known.
Flash Point	Not applicable.	None known.
Evaporation Rate	No data available.	None known.
Flammability (solid, gas)	No data available.	None known.
Flammability Limit in Air:		
Upper Limit	No data available.	None known.
Lower Limit	No data available.	None known.
Vapour Pressure	No data available.	None known.
Vapour density	No data available.	None known.
Specific Gravity	1.13 g/cm ³ .	
Water Solubility	Insoluble.	None known.
Solubility Other Solvents	No data available.	None known.
Partition Coefficient:		
n-octanol/water	No data available.	None known.
Autoignition temperature	No data available.	None known.
Decomposition Temperature	No data available.	None known.
Kinematic Viscosity	No data available.	None known.
Dynamic Viscosity	No data available.	None known.
Explosive Properties	No data available.	None known.
Oxidizing Properties	No data available.	None known.

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Other Properties:

Softening Point	No data available.
VOC Content %	No data available.
Particle Size	No data available.
Particle Size Distribution	No data available.

10. STABILITY AND REACTIVITY

Reactivity:	Avoid contact with incompatibles.
Chemical Stability:	Stable at normal conditions of usage.
Possibility of Hazardous Reactions:	Will not occur.
Hazardous Polymerization:	Does not occur.
Conditions to avoid:	Avoid ignition sources, heat, sparks, open flame, direct sunlight, extremely high or low temperatures.
Incompatible materials:	Strong oxidizers.
Hazardous Decomposition Products:	CO, CO ₂ , Hydrocarbons.
Thermal Decomposition / Conditions to be avoided:	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information

Inhalation

Inhalation of mist can cause drowsiness, damage to lungs, brain and central nervous system.

Eye Contact

Direct contact causes irritation. May cause corneal injury.

Skin Contact

May cause irritation, Prolonged or repeated contact may cause irritation, drying and cracking.

Ingestion

Harmful if swallowed. Will cause abdominal discomfort, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways.

Component Information:

Chemical Name	Oral LD50	Inhalation LC50
Toluene	5500 ppm	4500 mg/kg 4 hours
Xylene	4300 ppm	6500 mg/kg 8 hours
Ethyl Benzene	3500 ppm	4000 mg/kg 4 hours
Trizinc Bis Orthophosphate	5000 ppm	
Glycol Ether EB	1300 ppm	5 mg/kg 3 hours
Zinc Oxide	630 ppm	

Information on Toxicological Effects:

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Symptoms None known.

Delayed/Immediate/Chronic Effects from short and long term exposure:

Sensitization	None known.
Mutagenic Effects	None known.
Carcinogenicity	No ingredients listed as a carcinogen.
Reproductive Toxicity	None known.
STOT- Single Exposure	None known.
STOT Repeated exposure	None known.
Chronic Toxicity	None known.
Target Organ Effects	None Known.
Numerical Measures of Toxicity (based on GHS Chapter 3.1)	Not applicable.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not classified.
Persistence and Degradability:	No information available.
Bioaccumulative Potential:	No information available.
Mobility in Soil:	No information available.
Other Adverse Effects:	No information available.
Other Information:	Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Methods

Contaminated Packaging:

Ecology – Waste Materials:

This material, as supplied, is a hazardous waste according to Federal regulations (40 CFR 261). It is the responsibility of the waste generator to determine the proper waster identification and disposal method. Consult the appropriate stare, regional, or local regulations for additional requirements.

Dispose of contents/containers in accordance with local regulations.

Avoid release to the environment.

14. TRANSPORT INFORMATION

DOT:

UN number:	UN1263.
UN proper shipping name	Paint.
Transport hazard class (es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental Hazards:	This product contains marine pollutants. This mixture meets the criteria for an environmentally hazardous material according to the IMDG code.

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Special Precautions for User: Appropriate advice on safety should accompany the package. Keep away from heat, sparks and open flame. Avoid static electricity.

TDG Status:

UN number: UN1263.

UN proper shipping name Paint.

Transport hazard class (es)

Class 3

Subsidiary risk -

Label(s) 3

Packing group II

Environmental Hazards: This product contains marine pollutants. This mixture meets the criteria for an environmentally hazardous material according to the IMDG code.

Special Precautions for User: Appropriate advice on safety should accompany the package. Keep away from heat, sparks and open flame. Avoid static electricity.

Water Transportation:

UN number: UN1263.

UN proper shipping name Paint.

Transport hazard class (es)

Class 3

Subsidiary risk -

Label(s) 3

Packing group II

Environmental Hazards: This product contains marine pollutants. This mixture meets the criteria for an environmentally hazardous material according to the IMDG code.

Special Precautions for User: Appropriate advice on safety should accompany the package. Keep away from heat, sparks and open flame. Avoid static electricity.

Air Transportation:

UN number: UN1263.

UN proper shipping name Paint.

Transport hazard class (es)

Class 3

Subsidiary risk -

Label(s) 3

Packing group II

Environmental Hazards: This product contains marine pollutants. This mixture meets the criteria for an environmentally hazardous material according to the IMDG code.

Special Precautions for User: Appropriate advice on safety should accompany the package. Keep away from heat, sparks and open flame. Avoid static electricity.

15. REGULATORY INFORMATION

International Inventories:

TSCA Complies.

DSL All components are listed either on the DSL or NDSL.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory.

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DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List.

Canadian Regulations:

Canadian WHMIS Classification: Class D1B and D2B.
Health Canada DIN: Registered.
Canadian DSL: Appears.

US Federal Regulations:

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Acute Health Hazard	No.
Chronic Health Hazard	No.
Fire Hazard	No.
Sudden Release of Pressure Hazard	No.
Reactive Hazard	No.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA–Reportable Qtys.	CWA–Toxic Pollutants	CWA–Priority Pollutants	CWA–Hazardous Substances
None.				

CERCLA

This material, as supplied, does not contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
None.			

US State Regulations:

California Proposition 65

This product does not contain any Proposition 65 Chemicals.

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US State Right-To-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
None					
	Health Hazard	Flammability	Instability	Physical Hazard	Physical and Chemical Hazards – Personal Protections
NFPA	2	3	0	n/a	2
HMIS	2	3	n/a	0	B

HMIS III Rating

Health: 2 Moderate Hazard.

Flammability: 3 Serious Hazard.

Physical: 0 Minimal Hazard.

Personal Protection: B.

16. OTHER INFORMATION

Prepared By: Technical Department, Lloyds Laboratories Inc.
Tel: 1 800 361-6766

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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