



## LIPROL 250

### SAFETY DATA SHEET US / Canada

#### **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Liprol 260

**PRODUCT CODE** 70-2100

**CHEMICAL FAMILY:** Polyurethane polymer based on canola oi

**MANUFACTURER:** Consolidated Biofuels Ltd.  
7651 Vantage Way  
Delta, BC, Canada V4G 1A6

**GENERAL USE:** Binder

**EMERGENCY NUMBER:** 1-800-663-5690

#### **2. HAZARD IDENTIFICATION**

##### **Emergency Overview**

**Appearance/ Odor:** Liquid, yellow-brown with characteristic odor

**Warning:** See section 16

This product is considered non-hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200).

**ROUTES OF ENTRY:** Skin and eye contact with liquid, and ingestion.

#### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>Exposure Limits</u>
Polyurethane polymer based on oilseeds	Confidential	100	N/A

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<b><u>POTENTIAL HEALTH EFFECTS:</u></b> (SEE Section 11 for more information)		
None		
CARCINOGENICITY:		
NTP: No	IARC: No	OSHA: No
<b><u>4. FIRST AID MEASURES</u></b>		
GENERAL:	Immediately remove any clothing soiled by the product	
SKIN:	Generally the product does not irritate the skin	
EYES:	Rinsed open eyes for several minutes under running water	
INGESTION:	If any symptoms persist consult doctor.	
INHALATION:	Supply fresh air; consult doctor in case of complaints	
<b><u>5. FIRE FIGHTING MEASURES</u></b>		
FLASH POINT:	> 225 ° F	
EXTINGUISHING MEDIA:	Foam, carbon dioxide, water spray, dry powder. Use water spray to cool containers in fire area.	
SPECIAL FIRE FIGHTING PROCEDURES:	Use self contained breathing apparatus and full protective clothing	
<b><u>6. ACCIDENTAL RELEASE MEASURES</u></b>		
SPILL AND LEAK PROCEDURES:	Absorb with absorbent materials and keep them moist. Burn up your cleaning rag directly under supervision or spread it out and let dry.	

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## **7. HANDLING AND STORAGE**

**STORAGE:** Store in sealed steel containers or tanks, avoid open fires. Fire hazard when welding the empty container. Store at a temperature of + 10°C to 30°C without air contact. Protect from exposure to the light.

**HANDLING:** No special measure required.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** None

**RESPIRATORY PROTECTION:** Not required

**SKIN PROTECTION:** Clothing suitable to prevent skin contact and PVC or rubber gloves

**EYE PROTECTION:** Safety goggles with side shields during filling

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL FORM:** Liquid

**COLOR:** yellow-brown

**ODOR:** characteristic

**BOILING POINT:** Undetermined

**VAPOR PRESSURE:** <1mbar @ 20°C

**DENSITY:** 0.97 g/cm<sup>3</sup> @ 20°C

**VISCOSITY:** 250 cps

**SOLUBILITY IN WATER:** Insoluble

**SOLVENT CONTENTS:** None

**IGNITION TEMPERATURE:** Not established

**pH:** Not established

## **10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** In very fine dispersion in contact with air possible danger of self ignitor

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition expected only at very high temperatures. Above 570°F(300°C) and in presence of air expect formation of acroleine.

**POLYMERIZATION:** Does not occur

**INCOMPATIBILITIES:** Strong acids and bases; high temperatures or freezing. At 212 °F ( 100 °C) phase separation and possible coagulation.

## **11. TOXICOLOGICAL INFORMATION**

LD 50 oral, rat : > 3000 mg/kg (limit test) \*      \* Test data from similar products

**Primary Irritation:** Skin & eyes : none

**Sensitization:** Not established

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**12. ECOLOGICAL INFORMATION**

Biodegradability in RDA-test: about 40%; increases the chemical and biological oxygen demand in water  
Decreases the water penetration.

**13. DISPOSAL CONSIDERATIONS**

Incinerate or dispose of in accordance with Federal, State or local regulations

**14. TRANSPORT INFORMATION**

DOT SHIPPING NAME: Not regulated  
Not classified as hazardous under applicable transport regulations

**15. REGULATORY INFORMATION**

This product is provided only for Research and development under the supervision of an individual technically qualified to understand its potential hazards.

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements c Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372

**Other Lists:**

Canada: DSL: No NDSL: Yes  
Europe: All the raw materials used in this product are listed EINECS

**16. OTHER INFORMATION**

HAZCOM LABEL: Not Required

**Globally Harmonized System of Classification ( GHS )**

WARNING  
HARMFUL IF SWALLOWED



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**Note:**

This HMIS rating is based on the information available in the product MSDS. While HMIS ratings follow established industry practices and recommendations, variations in individual assignments are possible HMIS ratings should be used only by persons who have been trained in product safety matters and are familiar with the rating system. Industrial users of HMIS ratings must review both, the product MSDS and the respective rating to ensure it's applicability to the users workplace conditions

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use The data on this SDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness