

SECTION 1: Identification

1.1. Product identifier

Product form : Mixtures
 Product name : LIPROL 260
 CAS-No. : Proprietary
 Product code : 1-VRPC-02
 Product group : Raw material
 Other means of identification : Canola-oil-based polyol

1.2. Recommended use and restrictions on use

Recommended uses and restrictions : RAW MATERIAL FOR THE MANUFACTURE OF POLYURETHANES

1.3. Supplier

Manufacturer

Meadow Polymers. A division of Consolidated Biofuels Ltd
 7961 Vantage Way
 V4G 1A6 Delta
 T 604-946-7626
info@consolidatedbiofuels.net

1.4. Emergency telephone number

Emergency number : Emergency Contact (24-hour number): Canutec 1-888-CAN-UTEC (226-8832) or Cellular: *666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Flammable liquids, Category 4 H227
 Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS-CA) :



GHS07

Signal word (GHS-CA) :

Warning

Hazard statements (GHS-CA) :

H227 - Combustible liquid

Precautionary statements (GHS-CA) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P370+P378 - In case of fire: Use media other than water to extinguish.
 P403 - Store in a well-ventilated place.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS-CA) |
|--------------------|--------------------------|--------------------|----------|-------------------------|
| PROPRIETARY POLYOL | | | 95 - 100 | Not classified |

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Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion | : Do NOT induce vomiting. Rinse mouth out with water. Obtain emergency medical attention. |
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Water spray. Sand.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

5.3. Specific hazards arising from the hazardous product

Explosion hazard : Not applicable.

5.4. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Clean up any spills as soon as possible, using an absorbent material to collect it.

6.2. Methods and materials for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | : Clean up any spills as soon as possible, using an absorbent material to collect it. Solid spill: shovel. |

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|--|
| Precautions for safe handling | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Hygiene measures | : Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|--|
| Storage conditions | : Store in a well-ventilated place. Keep container tightly closed. |
| Incompatible products | : Strong acids. Strong bases. Oxidizing agent. |
| Incompatible materials | : Sources of ignition. |
| Heat and ignition sources | : ignition sources. |
| Storage area | : Store at room temperature. |
| Special rules on packaging | : clean. correctly labelled. |
| Packaging materials | : Not applicable. |

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Avoid all unnecessary exposure.

Materials for protective clothing:

No data available

Hand protection:

Gloves

Eye protection:

Safety glasses



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|----------------------------|
| Physical state | : Liquid |
| Appearance | : Liquid. Clear to cloudy. |
| Colour | : dark orange |
| Odour | : slight |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : ≈ 160 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : < 1 mbar at 20 Celcius |
| Vapour pressure at 50 °C | : No data available |
| Relative density | : No data available |
| Density | : 0.98 g/cm ³ |
| Solubility | : Insoluble in water. |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : 350 - 450 cP |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------------------|--|
| Chemical stability | : Not established. |
| Conditions to avoid | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Extremely high or low temperatures. |
| Incompatible materials | : Strong acids. Strong bases. Oxidizing agent. |

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Liprol 260 (Proprietary) | |
|-----------------------------------|------------------------|
| LD50 oral rat | >15600 mg/kg (Rat) |
| LD50 dermal rabbit | > 20000 mg/kg (Rabbit) |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------|--------------------|
| LC50 fish 1 | > 5000 mg/l (LC50) |
|-------------|--------------------|

12.2. Persistence and degradability

| |
|--------------------------------------|
| No additional information available. |
|--------------------------------------|

12.3. Bioaccumulative potential

| |
|--------------------------------------|
| No additional information available. |
|--------------------------------------|

12.4. Mobility in soil

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|--------------------------------------|
| No additional information available. |
|--------------------------------------|

12.5. Other adverse effects

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

Not regulated for transport

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IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. National regulations

LIPROL 260 (Proprietary)

Not listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

LIPROL 260 (Proprietary)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

Revision date : 06/15/2017

Full text of H-statements:

| | |
|------|--------------------|
| H227 | Combustible liquid |
|------|--------------------|

SDS Canada (GHS)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product