

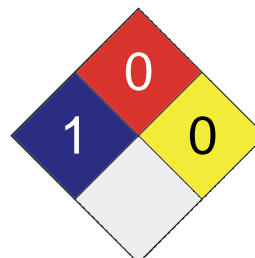
## 1. Product and Company Identification

**Product Name** LUBITOL™  
**CAS #** Mixture  
**Product Use** Lubricant  
**Manufacturer** Mega-Lab Manufacturing Co. Ltd.  
 361 Connie Crescent  
 Concord, ON L4K 5R2 CA  
 Phone: 905-532-9000  
 1-613-996-6666

**CANUTEC**

| LEGEND<br>HMIS/NFPA |   |
|---------------------|---|
| Severe              | 4 |
| Serious             | 3 |
| Moderate            | 2 |
| Slight              | 1 |
| Minimal             | 0 |

|                     |     |
|---------------------|-----|
| Health              | * 1 |
| Flammability        | 0   |
| Physical Hazard     | 0   |
| Personal Protection | B   |



## 2. Hazards Identification

**Emergency Overview**

NOTE: The information on this MSDS is applicable only to the PRODUCT CONCENTRATE. Dilutions of this product may be considerably less hazardous.  
**WARNING**  
 Contains a potential reproductive toxin.

**Potential short term health effects**

**Routes of exposure**

Eye, Skin contact, Inhalation, Ingestion.

**Eyes**

Direct contact with PRODUCT CONCENTRATE may cause irritation.

**Skin**

Direct contact with PRODUCT CONCENTRATE may cause irritation.

**Inhalation**

Excessive intentional inhalation of PRODUCT CONCENTRATE may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

**Ingestion**

Ingestion of the PRODUCT CONCENTRATE may cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

**Target organs**

Eyes. Respiratory system.

**Chronic effects**

Prolonged or repeated exposure to PRODUCT CONCENTRATE can cause drying, defatting and dermatitis.

**Signs and symptoms**

Direct contact with the PRODUCT CONCENTRATE may cause redness, edema, drying, defatting and cracking of the skin.

## 3. Composition/Information on Ingredients

| Ingredient(s)                           | CAS #  | Percent |
|---|--|---------|
| Octamethylcyclotetrasiloxane            | 556-67-2   | 1 - 5   |
| Dipropylene glycol, methyl ether        | 34590-94-8   | 1 - 5   |
| Acetic acid, C6-8-branched alkyl esters | 90438-79-2   | 3 - 7   |
| <b>Composition comments</b>             | NOTE: The percent ranges are applicable only to the PRODUCT CONCENTRATE. |         |

## 4. First Aid Measures

**First aid procedures**

**Eye contact**

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin contact**

Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation**

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion**

Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

**Notes to physician**

Symptoms may be delayed.

**General advice**

NOTE: The information on this MSDS is applicable only to the PRODUCT CONCENTRATE. Dilutions of this product may be considerably less hazardous. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wear suitable protective clothing.

## 5. Fire-fighting Measures

**Flammable properties**

Not flammable by WHMIS criteria.

**Extinguishing media****Suitable extinguishing media**

Dry chemical. Foam. Carbon dioxide. Fog.

**Unsuitable extinguishing media**

Not available

**Protection of firefighters****Specific hazards arising from the chemical**

Not available

**Protective equipment for firefighters**

Firefighters should wear full protective clothing including self contained breathing apparatus.

**Hazardous combustion products**

May include and are not limited to: Oxides of carbon.

**Explosion data****Sensitivity to mechanical impact**

Not available

**Sensitivity to static discharge**

Not available

## 6. Accidental Release Measures

**Personal precautions**

Do not touch or walk through spilled PRODUCT CONCENTRATE. Do not touch damaged containers or spilled PRODUCT CONCENTRATE unless wearing appropriate protective clothing. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak.

**Methods for containment**

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

## 7. Handling and Storage

**Handling**

Use good industrial hygiene practices in handling this material.

**Storage**

Keep out of reach of children. Store in a closed container away from incompatible materials.

## 8. Exposure Controls / Personal Protection

**Exposure limits****Ingredient(s)****Exposure limits**

Acetic acid, C6-8-branched alkyl esters

**ACGIH-TLV**

TWA: 50 ppm

Dipropylene glycol, methyl ether

**ACGIH-TLV**

TWA: 100 ppm

STEL: 150 ppm

Skin: 100 ppm

Octamethylcyclotetrasiloxane

**ACGIH-TLV**

TWA: 5 ppm

**Engineering controls**

General ventilation normally adequate.

## Personal protective equipment

|                                       |   |
|---------------------------------------|---|
| <b>Eye/Face protection</b>            | Wear safety glasses with side shields.  |
| <b>Hand protection</b>                | Rubber gloves. Confirm with a reputable supplier first.   |
| <b>Skin and body protection</b>       | As required by employer code.   |
| <b>Respiratory protection</b>         | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.  |
| <b>General hygiene considerations</b> | The personal protective equipment listed above is recommended for potential contact with the PRODUCT CONCENTRATE. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. |

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## 9. Physical & Chemical Properties

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|   |                         |
|---|-------------------------|
| <b>Appearance</b>                                     | Liquid.                 |
| <b>Colour</b>   | Brown                   |
| <b>Form</b>   | Liquid                  |
| <b>Odour</b>  | Characteristic          |
| <b>Odour threshold</b>                                | Not available           |
| <b>Physical state</b>                                 | Liquid                  |
| <b>pH</b>   | Not available           |
| <b>Freezing point</b>                                 | Not available           |
| <b>Boiling point</b>                                  | 260 °C (500.00 °F)      |
| <b>Flash point</b>                                    | > 93.3 °C (> 199.94 °F) |
| <b>Evaporation Rate</b>                               | Not available           |
| <b>Flammability limits in air, lower, % by volume</b> | Not available           |
| <b>Flammability Limits in Air, Upper, % by Volume</b> | Not available           |
| <b>Vapour pressure</b>                                | Not available           |
| <b>Vapour density</b>                                 | Not available           |
| <b>Specific gravity</b>                               | 0.83                    |
| <b>Octanol/water coefficient</b>                      | Not available           |
| <b>Solubility (H2O)</b>                               | Negligible              |
| <b>Auto-ignition temperature</b>                      | Not available           |
| <b>VOC (Weight %)</b>                                 | Not available           |
| <b>Viscosity</b>                                      | Slightly viscous        |
| <b>Percent volatile</b>                               | Not available           |

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## 10. Chemical Stability & Reactivity Information

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|   |   |
|---|---|
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.          |
| <b>Conditions to avoid</b>                | Do not mix with other chemicals.                      |
| <b>Incompatible materials</b>             | Oxidizers.  |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of carbon. |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerisation does not occur.              |

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## 11. Toxicological Information

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### Component analysis - LC50

| <b>Ingredient(s)</b>                    | <b>LC50</b>   |
|---|---------------|
| Acetic acid, C6-8-branched alkyl esters | Not available |
| Dipropylene glycol, methyl ether        | Not available |
| Octamethylcyclotetrasiloxane            | > 36 mg/L rat |

## Component analysis - Oral LD50

| Ingredient(s)                           | LD50              |
|---|-------------------|
| Acetic acid, C6-8-branched alkyl esters | > 5000 mg/kg rat  |
| Dipropylene glycol, methyl ether        | 5400 mg/kg rat    |
| Octamethylcyclotetrasiloxane            | > 64000 mg/kg rat |

### Effects of acute exposure

|                             |  |
|-----------------------------|--|
| <b>Eye</b>                  | Direct contact with PRODUCT CONCENTRATE may cause irritation.  |
| <b>Skin</b>                 | Direct contact with PRODUCT CONCENTRATE may cause irritation.  |
| <b>Inhalation</b>           | Excessive intentional inhalation of PRODUCT CONCENTRATE may cause respiratory tract irritation and central nervous system effects (headache, dizziness). |
| <b>Ingestion</b>            | Ingestion of the PRODUCT CONCENTRATE may cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.   |
| <b>Sensitisation</b>        | Non-hazardous by WHMIS criteria.   |
| <b>Chronic effects</b>      | Possible reproductive hazard.  |
| <b>Carcinogenicity</b>      | Non-hazardous by WHMIS criteria.   |
| <b>Mutagenicity</b>         | Non-hazardous by WHMIS criteria.   |
| <b>Reproductive effects</b> | Hazardous by WHMIS criteria. Contains a potential reproductive toxin.  |
| <b>Teratogenicity</b>       | Non-hazardous by WHMIS criteria.   |

## 12. Ecological Information

|  |   |
|--|---|
| <b>Ecotoxicity effects</b>             | Components of this product have been identified as having potential environmental concerns. |
| <b>Environmental effects</b>           | Not available   |
| <b>Aquatic toxicity</b>                | Not available   |
| <b>Persistence and degradability</b>   | Not available   |
| <b>Bioaccumulation/accumulation</b>    | Not available   |
| <b>Partition coefficient</b>           | Not available   |
| <b>Mobility in environmental media</b> | Not available   |
| <b>Chemical fate information</b>       | Not available   |

## 13. Disposal Considerations

|  |  |
|--|--|
| <b>Waste codes</b>                           | Not available  |
| <b>Disposal instructions</b>                 | Dispose in accordance with all applicable regulations. |
| <b>Waste from residues / unused products</b> | Not available  |
| <b>Contaminated packaging</b>                | Not available  |

## 14. Transport Information

### Transportation of Dangerous Goods (TDG)

Not regulated as dangerous goods.

## 15. Regulatory Information

|                                     |   |
|-------------------------------------|---|
| <b>Canadian federal regulations</b> | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. |
| <b>WHMIS classification</b>         | Class D - Division 2A   |
| <b>WHMIS status</b>                 | Controlled  |
| <b>WHMIS labeling</b>               |   |



**Inventory Status****Country(s) or region**

Canada

Canada

**Inventory Name**

Domestic Substances List (DSL)

Non-Domestic Substances List (NDSL)

**On Inventory (Yes/No)\***

Yes

No

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**16. Other Information**

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**Disclaimer**

Information contained herein 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 control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Prepared by**

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