

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

<b>IDENTITY (As Used on Label and List)</b>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space is marked to indicate that.
CHRISTO-LUBE MCG 111	

**Section I**

<b>Manufacturer's Name:</b>	Lubrication Technology Inc.	<b>Emergency Telephone Number:</b>	(740) 286-2644
<b>Street Address:</b>	310 Morton St	<b>Telephone Number for Information:</b>	(740) 286-2644
<b>City and State:</b>	Jackson, Ohio	<b>Date Prepared</b>	2/25/02
<b>ZIP Code:</b>	45640	<b>Signature of Preparer (optional)</b>	

**Section II - Hazard Ingredients/Identity Information**

Hazardous Components (Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)	CAS NO.
Perfluorinated polyether (PFPE)					69991-61-3
Polytetrafluoroethylene (PTFE)					9002-84-0
No hazardous ingredients contained. Non-carcinogenic.					
Threshold Limit Value: LD50>40 g/kg OSHA Threshold Limit Value: LD50>40 g/kg					
ACGIH Threshold Limit Value: LD50>40 g/kg					
Free of Ozone depleting compounds.					

**Section III - Physical/Chemical Characteristics**

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.990
<b>Vapor Pressure (mm Hg.)</b>	less than 10 <sup>-3</sup> mm @ 20°C	<b>Melting Point</b>	Above 250°C
<b>Vapor Density (AIR = 1)</b>	N/A	<b>Evaporation Rate(Butyl Acetate = 1)</b>	N/A
<b>Solubility in Water</b>	Insoluble	<b>Appearance and Odor</b>	White, odorless

**Section IV - Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b>	N/A	<b>Flammable Limits :</b>	N/A	<b>LEL</b>	N/A	<b>UEL</b>	N/A
<b>Extinguishing Media</b>	N/A						
<b>Special Fire Fighting Procedures:</b> Self contained breathing apparatus and protective clothing recommended.							
<b>Unusual Fire and Explosion Hazards:</b> Decomposition at temperatures above 290°C may cause the evolution of toxic gaseous fluorine compounds.							

(Reproduce locally)

OSHA 174, Sept. 1985

### Section V - Reactivity Data

<b>Stability:</b> Unstable ___ Stable <u>XX</u>	<b>Conditions to Avoid:</b> Avoid heating above 290°C.
<b>Incompatibility (Materials to Avoid):</b> Strong or not aqueous alkali and Lewis acids above 100°C	
<b>Hazardous Decomposition or Byproducts:</b> Toxic HF and COF <sub>2</sub> from thermal decomposition in air.	
<b>Hazardous Polymerization:</b> May Occur ___ Will Not Occur <u>XX</u>	<b>Conditions to avoid:</b> Avoid heating above 290°C.

### Section VI - Health Hazard Data

<b>Route(s) of Entry:</b> N/A	<b>Inhalation:</b> Slightly toxic by inhalation.(4 hr. LC50 1000-5000 ppm: 8-40 mg/l	<b>Skin:</b> Very low toxicity by contact. (LD50>10,000 mg/kg)	<b>Ingestion:</b> Very low toxicity by ingestion. (oral LD50>5000 mg/kg)
<b>Health Hazards (Acute and Chronic)</b> None			
<b>Carcinogenicity:</b> none			
<b>NTP?</b> no		<b>IARC Monographs?</b> no	
<b>OSHA Regulated?</b> no			
<b>Signs and Symptoms of Exposure:</b> Mild irritant to the skin upon prolonged exposure for some individuals. Decomposition products formed at high temperatures may cause "polymer fever."			
<b>Medical Conditions Generally Aggravated by Exposure:</b> none known			
<b>Emergency and First Aid Procedures:</b> See above.			

### Section VII - Precautions for Safe Handling and Use

<b>Steps to Be Taken in Case Material is Released or Spilled:</b> Use absorbent material to collect and contain for salvage and disposal.
<b>Waste Disposal Method:</b> Dispose of in accordance with Federal, state, and local regulations.
<b>Precautions to Be taken in Handling and Storing:</b> Do not store near flammables or explosive materials.
<b>Other Precautions:</b> Toxic vapors may be evolved above 290°C. Provide adequate ventilation if product is used above this temperature.

### Section VIII - Control Measures

<b>Respiratory Protection (Specify Type):</b> Not required under normal conditions.
<b>Ventilation:</b> Recommended <b>Local Exhaust:</b> Not required. <b>Mechanical (General):</b> recommended <b>Special:</b> N/A <b>Other:</b> N/A
<b>Protective Gloves:</b> Plastic disposable recommended <b>Eye Protection:</b> Safety glasses recommended
<b>Other Protective Clothing or Equipment:</b> Plastic disposable apron or coveralls recommended
<b>Work/Hygienic Practices:</b> Do not contaminate food or smoking materials. Wash hands after exposure.