

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

IDENTITY (As Used on Label and List)

CHRISTO-LUBE MCG 111

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space is marked to indicate that.

Section I

Manufacturer's Name:	Lubrication Technology Inc.	Emergency Telephone Number:	(740) 574-5150
Street Address:	7595 Gallia Pike	Telephone Number for Information:	(740) 574-5150
City and State:	Franklin Furnace, Ohio	Date Prepared	9/25/02
ZIP Code:	45629	Signature of Preparer (optional)	

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Chemical Identity; Common Name(s))	OSHA	ACGIH	Other Limits	% (optional)	CAS NO.
	PEL	TLV	Recommended		
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

Boiling Point	N/A	Specific Gravity (H₂O = 1)	1.990
Vapor Pressure (mm Hg.)	less than 10 ⁻³ mm @ 20°C	Melting Point	Above 250°C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Insoluble	Appearance and Odor	White, odorless

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits :	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	N/A						
Special Fire Fighting Procedures: Self contained breathing apparatus and protective clothing recommended.							
Unusual Fire and Explosion Hazards: 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

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

Section VI - Health Hazard Data

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

Section VII - Precautions for Safe Handling and Use

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

Section VIII - Control Measures

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