

Material Safety Data Sheet**U.S. Department of Labor**

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

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	04/11/2005
ZIP Code:	45629	Signature of Preparer (optional)	

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

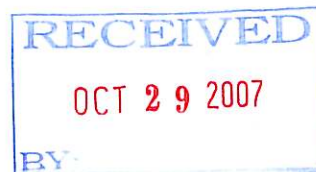
Boiling Point	N/A	Specific Gravity (H₂O = 1)	1.990
Vapor Pressure (mm Hg.)	less than 10 ⁻³ mm @ 20°C	Melting Point	Above 250°C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Insoluble	Appearance and Odor	White, odorless

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



Station 29

Section V - Reactivity Data

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

Section VI - Health Hazard Data

Routes(s) of Entry:	N/A
Inhalation: Slightly toxic by inhalation, (4 hr. LC50 1000-5000 ppm: 8-40 mg/l)	mg/kg)
Skin: Very low toxicity by contact. (LD50>10,000)	
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: Eye Contact: Flush eyes for 15 minutes with copious amounts of water, retracting eyelids often. Seek medical attention if irritation persists. Skin Contact: Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. Inhalation: If symptoms of irritation discomfort or overcome by exposure, remove affected person to fresh air. Give oxygen or artificial respiration as needed. Ingestion: If conscious, drink three to four 8 ounce glasses of water or milk. Call a physician. If unconscious, immediately take affected person to a hospital. Do not give anything by mouth to an unconscious person.

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/Hygiene Practices: Do not contaminate food or smoking materials. Wash hands after exposure.