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**MATERIAL SAFETY DATA SHEET**

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Form Number: 0056-1375  
Core Part No: 0034-0020

CHEMTREC Phone No. (800) 424 - 9300

Victor Equipment Company  
2800 Airport Road  
Denton, Texas 76207

(940) 566 - 2000  
Fax: (940) 381 - 1265

This MSDS is based on air/fuel or oxy/fuel process.  
There may be other cautions for electric process.

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**Material Safety Data Sheet**

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**SECTION I - MATERIAL IDENTIFICATION**

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**Product Name:** Christo - Lube (MCG-129) (0034-0020)  
**Product use:** Lubricant

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**SECTION II - HAZARDOUS INGREDIENTS**

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OSHA Hazardous Components (29 CFR 1910.1200) EXPOSURE LIMITS: 8 HR. TWA  
OSHA PEL ACGIH TLV  
Non-hazardous as defined by 29 CFR 1910.1200

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**SECTION III - HAZARDS IDENTIFICATIONS**

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**EMERGENCY OVERVIEW:** Prolonged or repeated skin contact may cause irritation.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** High gas, vapor, mist or dust concentrations may be harmful if inhaled.

**EYE CONTACT:** Slightly irritating but does not injure eye tissue.

**SKIN CONTACT:** Prolonged or repeated skin contact may cause irritation.

**INGESTION:** Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury, swallowing amounts larger than that may cause injury.

**CHRONIC:** Unknown

**CARCINOGENICITY:** LISTED IN NTP? No IARC? No OSHA Regulated? No

## Christo - Lube

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### SECTION IV - FIRST AID MEASURES

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- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration and/or give oxygen by trained personnel. Seek medical attention.
- EYE CONTACT:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.
- SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention.
- INGESTION:** Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

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### SECTION V - FIRE FIGHTING MEASURES

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- Flashpoint (Method):** Non-Flammable material.
- Flammable Limits:** Lower: NA Upper: NA
- Autoignition Temperature:** NA

- GENERAL HAZARD:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
- FIRE FIGHTING INSTRUCTIONS:** As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.
- EXTINGUISHING MEDIA:** Use dry sand or earth to smother fire.
- HAZARDOUS COMBUSTION PRODUCTS:** Smoke, oxides of carbon and fluorine.

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### SECTION VI - ACCIDENTAL RELEASE MEASURES

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- LAND SPILL:** Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.
- WATER SPILL:** Pick up wash liquid with additional absorbent and place in a disposable container. Avoid runoff into storm sewers and ditches which lead to waterways.

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### SECTION VII - HANDLING AND STORAGE

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Wash thoroughly after handling. Use with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid contact with eyes, skin, and clothing. Keep away from heat and flame. Store in a cool dry place.

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## Christo - Lube

### SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

- ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels.
- PERSONAL PROTECTION:** This material does not have established exposure limits. Wear a positive pressure air-supplied respirator in situations where there may be potential for airborne exposure.
- PROTECTIVE CLOTHING:** Wear safety glasses with side shields (or goggles) and a face shield. When material is heated, wear gloves to protect against thermal burns.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<b>Vapor Pressure:</b>	<0.1 mmHg @ 20°C	<b>Vapor Density (Air=1):</b>	ND
<b>Specific Gravity:</b>	1.99	<b>Evaporation Rate</b>	
<b>Solubility in Water:</b>	Insoluble	<b>(n-Butyl Acetate=1):</b>	ND
<b>pH:</b>	NA	<b>Freezing Point:</b>	ND
<b>Boiling Point:</b>	NA		
<b>Appearance &amp; Odor:</b>	White material with no odor.		

### SECTION X - STABILITY AND REACTIVITY

- GENERAL:** Stable
- INCOMPATIBLE MATERIALS:** Strong acids.
- CONDITIONS TO AVOID:** Avoid heating above 290 °C.
- HAZARDOUS POLYMERIZATION:** Will not occur.

### SECTION XI - TOXICOLOGICAL INFORMATION

LC<sub>50</sub> = 1,000 - 5,000 ppm for 4 hr. (inhalation)  
LD<sub>50</sub> = >5,000 mg/Kg (oral)

### SECTION XII - ECOLOGICAL INFORMATION

No data available.

### SECTION XIII - DISPOSAL CONSIDERATIONS

Classification required before disposal. Follow all federal, state and local requirements.

## Christo - Lube

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### SECTION XIV - TRANSPORTATION INFORMATION

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**PROPER SHIPPING NAME:** Christo - Lube, not regulated.  
**HAZARD CLASS:** None  
**IDENTIFICATION NUMBER:** None  
**DOT Emergency Guide #:** None  
**Reportable Quantity (RQ):** None

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### SECTION XV - REGULATORY INFORMATION

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**TSCA (Toxic Substance Control Act)** All components are listed on the TSCA inventory.

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):**  
None. We recommend you contact local authorities for other reporting requirements.

**SARA TITLE III (Superfund Amendments and Reauthorization Act):**  
311/312 Hazard Categories: Acute

313 Reportable Ingredients: None

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### SECTION XVI - OTHER INFORMATION

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**PREPARED BY:** TALEM, Inc. - Technical Services Division (817) 335 - 1186

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#### FOOTNOTES:

NA - Not Applicable    NE - Data Not Established    CS - Cancer Suspect Agent    OX - Oxidizer    ND - No Data    Cor - Corrosive  
CALC - Calculated    EST - Estimated    STEL - Short Term Exposure Limit    TLV - Threshold Limit Value  
PEL - Permissible Exposure Limit    TWA - Time Weighted Average, 8 hours

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. NEITHER THE SELLER NOR PREPARER MAKES ANY WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE INFORMATION PRESENTED.