PRODUCT NAME: TEFLA-LUBE  
PRODUCT USE: Lubricant  
COMPANY NAME: Continental Research Corporation  
COMPANY PHONE: 800-325-4869  
COMPANY ADDRESS: P.O. Box 15204 St. Louis MO 63110  
EMERGENCY PHONE: 888-255-3924 (CHEM-TEL)

SECTION I - IDENTIFICATION

HAZARDS SYMBOL: Use only outdoors or in a well ventilated area.

PRECAUTIONARY STATEMENTS:  
Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: 
Dissolved Gas  
Skin Irritant: Category 2  
Eye Irritant: Category 2A  
Specific Target Organ Toxicity (Single Exposure): Category 3  
Carcinogenicity: Category 1B  
Germ Cell Mutagenicity: Category 2  

HAZARD STATEMENT(S): DANGER: Contains gas under pressure; May explode if heated. Causes skin and serious eye irritation. May cause drowsiness and dizziness. May cause cancer. Suspected of causing genetic defects.

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>1-5%</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>79-01-6</td>
<td>7-13%</td>
</tr>
<tr>
<td>Tetrachloroethylene</td>
<td>127-18-4</td>
<td>30-60%</td>
</tr>
<tr>
<td>Distillate</td>
<td>64742-52-5</td>
<td>5-10%</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>8052-41-3</td>
<td>10-30%</td>
</tr>
</tbody>
</table>

SECTION IV - FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention.

INHALATION: Move to fresh air. If not breathing administer artificial respiration, if breathing is difficult give oxygen.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

ACUTE HEALTH HAZARDS: Inhalation: dizziness, drowsiness, weakness, and fatigue  
Eye: stinging, tearing, redness  
Oral: Vomiting, discomfort, diarrhea
Skin: Prolonged or repeated contact may dry skin

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system.

NOTE TO PHYSICIAN: Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, chlorine, hydrogen chloride and phosgene.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Use absorbent on spill, sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations.

RCRA STATUS: Waste solvent likely considered U228 (Trichloroethylene), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Store locked up.

OTHER PRECAUTIONS: Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warning and precautions listed for the product. Keep out of the reach of children

INCOMPATIBILITY: Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers, and coatings.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>5000 ppm</td>
<td>5000 ppm</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>10 ppm</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Tetrachloroethylene</td>
<td>100 ppm</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Hydrotreated Heavy Naphthenic Petroleum Distillate</td>
<td>0.2 mg/m3</td>
<td>0.2 mg/m3</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>500 ppm</td>
<td>500 ppm</td>
</tr>
</tbody>
</table>

ENGINEERING CONTROLS / VENTILATION: Use only outdoors or in a well-ventilated area.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, Gloves, and Synthetic apron.

ADDITIONAL MEASURES: Wash hands thoroughly after handling. Do not breathe vapors. Do not eat, drink, or smoke while using product. Get medical attention if you feel unwell. If exposed or concerned: Get medical advice.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, Colorless to Slight Tint Spray

ODOR: Chlorinated solvent odor

ODOR THRESHOLD: N/D

BOILING POINT: >188°F (87°C)

FREEZING POINT: N/D

FLASH POINT: N/D

FLAMMABILITY: Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)

AUTOIGNITION TEMPERATURE: N/D

LOWER FLAMMABILITY LIMIT: N/D
**RCRA STATUS:**

**ME**

**SKIN:**

**INHALATION:**

POSIBLE HAZARDOUS CONDITIONS TO AVOID:

**CHEMICAL STABILITY:**

**DECOMPOSITION TEMPERATURE:**

**VOLATILE ORGANIC COMPOUNDS (VOC):**

**SPECIFIC GRAVITY (H2O=1):**

**WASTE DISPOSAL:**

OTHER ECOLOGICAL

**BIOACCUMULATION:**

**BIODEGRADABILITY:**

**ECOLOGICAL CARCINOGENICITY:**

**CHRONIC HEALTH**

Skin: Prolonged

Eye: stinging,

**ACUTE HEALTH**

**ингestion:**

EYES:

TOXICOLOGICAL

**Hazardous Decomposition**

**Condition Aggravated:**

**Incompatibility:**

**ECOLOGICAL INFORMATION:**

**Tetrachloroethylene**

(127-18-4) LDso (Oral, Rat) 2629 mg/kg; LDso (Dermal, Rabbit) > 3228 mg/kg; LDso (IPR, Mouse) 4700 mg/kg; LCso (Inhalation, Mouse, 4hr) 5200 ppm; LCso (Inhalation, Rat, 8hr) 34200 mg/m³

**Trichloroethylene** (79-01-6) LDso (Oral, Rat) 5,650 mg/kg; Tumorigen, mutagenic reproductive effects in humans.

**Routes of Entry:**

**Eyes:** Causes severe irritation, redness, tearing, pain, visual disturbance, may cause eye damage.

**Ingestion:** Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.

**Inhalation:** Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects, and death.

**Skin:** Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.

**Medical Condition Aggravated:** Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.

**Acute Health Hazards:** Inhalation: dizziness, drowsiness, weakness, and fatigue

Eye: stinging, tearing, redness

Oral: Vomiting, discomfort, diarrhea

Skin: Prolonged or repeated contact may dry skin

**Chronic Health Hazards:** Possible cancer causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system.

**Carcinogenicity:**

**OSHA:** Yes  **ACGIH:** A2 - Suspected  **NTP:** 2 - Anticipated  **IARC:** 2A - Probable **OTHER:** CA Prop 65

**SECTION XII – ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:**

**Trichloroethylene** (79-01-6) LCso (96hr) Fish: 10 and 100 mg/L. Slightly toxic to aquatic life.

**Bio Degradability:** Component or components of this product are not biodegradable.

**Bio Accumulation:** Components in this mixture can bioaccumulate in aquatic organisms.

**Soil Mobility:** This product is mobile in soil.

**Other Ecological Hazards:** This material is toxic to aquatic life.

**SECTION XIII – DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Dispose of in accordance with federal, state, and local regulations.

**RCRA Status:** Waste solvent likely considered U228 (Trichloroethylene), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).
PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN 1950
PACKAGING GROUP: N/A

AIR SHIPMENT
PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN 1950

SHIPPING BY WATER:
VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.2
UN/NA NUMBER: UN 1950

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Trichloroethylene (79-01-6)
Reportable Quantity = 100 lbs
SARA 311/312 HAZARD CATEGORIES: Acute Health, Chronic Health.
SARA 313 REPORTABLE INGREDIENTS: Tetrachloroethylene (127-18-4); Trichloroethylene (79-01-6)
STATE REGULATIONS: Tetrachloroethylene (127-18-4) and Trichloroethylene (79-01-6) are known to the state of California to cause cancer.
Trichloroethylene (79-01-6) Right-to-Know acts for New York, Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, Michigan, New Jersey, Tennessee; Spill Reporting for Massachusetts, New Jersey, Louisiana;Connecticut hazardous material survey; Illinois toxic substances disclosure to employee act
INTERNATIONAL REGULATIONS: Trichloroethylene, CAS 79-01-6, - EC - yes, Japan – yes, Australia – yes, Korea – yes, Canada DSL – yes, Canada NDSL –no, Philipenes – yes.

NFPA HEALTH: 2
NFPA FLAMMABILITY: 1
NFPA REACTIVITY: 0
NFPA OTHER: None
HMIS HEALTH: 2
HMIS FLAMMABILITY: 1
HMIS REACTIVITY: 0
HMIS PROTECTION: C

SECTION XVI - ADDTIONAL INFORMATION

PREPARATION BY: EHS Administrator
DATE PREPARED: 07/28/2014
REVISION DATE: 11/18/2014
N/A = Not Applicable; N/D = Not Determined
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