

## MATERIAL SAFETY DATA SHEET FOR CHAIN LUBE C12X.25L

TOTAL Lubricants USA, Inc.  
5 N. Stiles Street  
Linden NJ 07036

REVISION DATE  
18-SEP-06

DATE ISSUED  
27-NOV-06

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IDENTIFICATION AND EMERGENCY INFORMATION  
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|   |  |
|---|--|
| PRODUCT NAME:<br>CHAIN LUBE C12X.25L                              | PRODUCT #:<br>801204                       |
| CHEMICAL NAME:<br>N/A - Mixture                                   | CAS #'S:<br>Mixture                        |
| PRODUCT APPEARANCE AND ODOR:<br>Clear liquid, characteristic odor | CHEMICAL FAMILY:<br>Petroleum based grease |
| SYNONYMS:<br>Chain drive lubricant                                | EMERGENCY TELEPHONE:<br>1-908-862-9300     |

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COMPONENTS AND HAZARD INFORMATION  
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| COMPONENTS:   | W/W | HAZARD DATA (TLV, LD50, LC50, ETC.):       |
|---|-----|--|
| Pentane<br>CAS No. 109-66-0                             |     | 600 ppm OSHA/ACGIH TWA                     |
| Petroleum based calcium grease<br>CAS No. n/a (mixture) |     | 5 mg/m3 OSHA/ACGIH TWA<br>(as an oil mist) |
| Carbon dioxide<br>CAS No. 124-38-9                      |     | 5000 ppm OSHA/ACGIH TWA                    |

## HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

| Health | Flammability | Reactivity |
|--------|--------------|------------|
| 1      | 4            | 0          |

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TRANSPORTATION INFORMATION  
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TRANSPORTATION INFORMATION:  
DOT SHIPPING INFO:  
AEROSOLS, Class 2.1 (Flammable Gases)  
UN 1950, PG None  
Note: see 49 CFR 173.306 for Limited Quantity provisions

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EMERGENCY FIRST AID  
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## EYES:

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek immediate medical attention.

## SKIN:

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder

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**EMERGENCY FIRST AID**

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clothing before reuse.

**SWALLOWING:**

If swallowed, seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on the left side with the head down. If individual is conscious and alert, induce vomiting by giving syrup of ipecac or by gently placing two fingers at the back of the throat. If possible, do not leave individual unattended.

**INHALATION:**

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention, keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

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**FIRE AND EXPLOSION HAZARD INFORMATION**

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Flash Point: <70°F (<21°C)  
EXPLOSIVE LIMIT: Lower 1.4%  
AUTOIGNITION TEMP: No data

**HAZARDOUS PRODUCTS OF COMBUSTION:**

May form carbon dioxide and carbon monoxide, various hydrocarbons.

**FIRE AND EXPLOSION HAZARD:**

Material is highly volatile and readily gives vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge, or other sources at locations distant from material handling point. Never use welding or cutting torch on or near containers because product can ignite explosively.

**EXTINGUISHING MEDIA:**

Regular foam, alcohol foam, carbon dioxide, dry chemical

**FIRE FIGHTING MEDIA:**

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

**NFPA Rating:**

Health - 1 Flammability - 4 Reactivity - 0

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**HEALTH AND HAZARD INFORMATION**

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**POTENTIAL HEALTH EFFECTS:****EYE:**

Exposure causes eye irritation. Symptoms may include stinging, tearing, redness, and swelling.

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HEALTH AND HAZARD INFORMATION

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SKIN:

Exposure causes skin irritaiton. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, skin burns and skin damage.

SWALLOWING:

Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

INHALATION:

Exposure to vapor or mist is possible.

SYMPTOMS OF EXPOSURE:

Gastrointestinal irritation (nausea, vomiting, diarrhea), irritation (nose, throat, respiratory tract), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness)

TARGET ORGAN EFFECTS:

No data.

DEVELOPMENTAL INFORMATION:

No data.

OTHER HEALTH EFFECTS:

No data.

PRIMARY ROUTE(S) OF ENTRY:

Inhalation, skin contact.

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PHYSICAL DATA

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BOILING RANGE:

wide range

VAPOR PRESSURE:

425 mmHg @68°F

SPECIFIC GRAVITY (25°C/25°C):

0.631

VAPOR DENSITY (AIR = 1):

2.40

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REACTIVITY

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HAZARDOUS POLYMERIZATION:

Product will not undergo hazardous polymerization.

HAZARDOUS DECOMPOSITION:

May form carbon dioxide and carbon monoxide, various hydrocarbons.

CHEMICAL STABILITY:

Stable.

INCOMPATIBILITY:

Avoid contact with strong oxidizing agents.

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TOXICITY  
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ORAL (Acute) N/E  
DERMAL (Acute) N/E  
EYE N/E  
INHALATION (Acute) N/E  
CHRONIC, SUBCHRONIC, ETC. N/E

Medical Conditions Aggravated by Exposure: Unknown

This product does NOT contain any ingredients identified as carcinogenic by IARC, NTP, or OSHA.

All components known to be contained in this product are on the TSCA inventory or are exempt.

SARA Section 313 Status: This material is not known to contain any chemicals on the SARA Section 313 list at a concentration greater than 1.0 percent or carcinogenic chemical on that list at a concentration greater than 0.1 percent.

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SPILL OR LEAK PROCEDURES  
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## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with local regulations. Continue to observe precautions for volatile, combustible vapors from absorbed material.

WASTE DISPOSAL METHOD: (Consult federal, state, or local authorities for proper disposal procedures.)

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste site or facility.

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PROTECTION AND PRECAUTIONS  
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## VENTILATION:

Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapors in air. No smoking, flame or other ignition sources.

RESPIRATORY PROTECTION: (Use only NIOSH/MSHA approved equipment.)

Use supplied air respiratory protection in confined or enclosed spaces, if needed.

## PROTECTIVE GLOVES:

Use chemical-resistant to avoid skin contact.

## EYE PROTECTION:

Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT:

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Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in skin contact.

WORK PRACTICES/ENGINEERING CONTROLS:

Keep containers closed when not in use. Do not handle near heat, sparks, flame, or strong oxidants. To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with the National Fire Protection Association standard for petroleum products.

PERSONAL HYGIENE:

Minimize breathing vapor, mist, or fumes. Avoid contact with skin and eyes. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water. Follow the WARNING statement in the FIRE AND EXPLOSION HAZARD INFORMATION section of this Material Safety Data Sheet.

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PREPARED BY: Steve Smith

REGULATORY MANAGER

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