

# Material Safety Data Sheet

## Section 1 Product Identification

Product Name: **Tire Lube**

Formula type: mild detergent

### Manufacturer's Name:

Chem-Tech, Inc.

6551 Jansen Avenue NE – Suite 106

Albertville, MN 55301

Emergency Telephone: 1-800-535-5053

Information: 1-763-417-1380

Fax: 763-417-1389

## Section 2 Hazardous Ingredients

| <u>Chemical Name</u>            | <u>CAS#</u> | <u>%</u> | <u>Threshold Limit Value</u> | <u>Permissible Exposure Limit</u> |
|---------------------------------|-------------|----------|------------------------------|-----------------------------------|
| Water                           | 7732-18-5   | 82-92    | NE                           | NE                                |
| Sodium dodecylbenzene sulfonate | 25155-30-0  | 5-10     | NE                           | NE                                |
| Ammonium laureth sulfate        | 32612-48-9  | 1-5      | 1000 ppm (TWA)               | 1000 ppm (TWA)                    |
| Cocamide DEA                    | 68603-42-9  | 1-5      | 3 ppm (TWA)                  | 3 ppm (TWA)                       |

Balance of ingredients are not hazardous as defined by OSHA

## Section 3 Physical Data

|                               |             |                                  |
|-------------------------------|-------------|----------------------------------|
| Form:                         | Liquid      | pH as is: 6.2 - 6.7              |
| Color:                        | Yellow      | pH (1% vol ) : 7.0 - 8.0         |
| Odor:                         | Mild        | Solubility in Water: Complete    |
| Specific Gravity (Water = 1): | 1.01 - 1.02 | Vapor Density (Air = 1): <1      |
| Boiling Point °F: approx.     | 212         | % VOC: <1                        |
| Evaporation Rate (Water = 1): | <1          | Vapor pressure: similar to water |

## Section 4 Fire and Explosion Information

**Flash Point (Method) F:** greater than 200F Cleveland Open Cup

**Unusual Fire and Explosion Hazards:** None know. Containers may melt or rupture from the heat of a fire.

**Extinguishing Agents:** Foam, carbon dioxide, dry chemical, water fog, water

**Fire fighting methods:** General guidelines as this material won't burn without driving off water. Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible. Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of storage tank due to fire. Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus with full face mask and full protective equipment.

## Section 5 Health Hazard Data - Signs and Symptoms of Overexposure:

Probable Routes of Entry: Eyes or skin

|             |   |
|-------------|---|
| Eyes:       | Redness, irritation, tearing              |
| Skin:       | Redness or dryness upon prolonged contact |
| Inhalation: | Not expected under normal use conditions  |

Ingestion: Nausea, vomiting, diarrhea

Medical Conditions Aggravated by Exposure: Pre-existing skin disorders or abrasions.

### **Section 6 Emergency First Aid Procedures**

Eyes: Immediately flush eyes with cool running water for at least 15 minutes. Obtain medical aid if irritation develops.

Skin: Wash with cool water. Obtain medical aid if irritation develops. Remove contaminated clothing and launder.

Inhalation: Remove to fresh air. Monitor breathing. Obtain immediate medical aid.

Ingestion: If conscious, drink two glasses of water. Induce vomiting, keep head down to avoid aspiration into lungs, and seek immediate medical aid. If unconscious, do not give anything to drink, do not induce vomiting, and obtain immediate medical assistance.

### **Section 7 Reactivity Data**

Stability: Stable at room temperature (68F) when stored and used under proper conditions.

Incompatibility: Avoid contact with acids and oxidizing materials.

Hazardous Decomposition Products: Smoke, carbon dioxide, carbon monoxide

Hazardous Polymerization: Will not occur.

### **Section 8 Spill & Leak Procedures**

Procedures for Cleanup: Wear protective gear. Small spills: Area will be slippery. Mop thoroughly and rinse with water.

Large Spills: Area will be very slippery. Dike product with sand or dirt. Keep out of surface waters. Salvage for reuse if possible. Otherwise place into suitable container for disposal. Inform local pollution officials of spill. Spill may be considered RCRA hazardous if contaminated. Call local regulatory agency.

Waste Disposal: Contact the proper county, state or federal authorities. May be RCRA regulated if contaminated.

### **Section 9 Special Protection Information**

Ventilation Type Required: General or local

Protective Gloves: If there is prolonged contact, wear rubber, neoprene, or nitrile gloves

Respiratory Protection: Not necessary under normal use conditions and ventilation. If vapors are generated, wear NIOSH respirator for mists.

Eye Protection: If there is splashing, wear safety glasses

Other Equipment: Water source for eye and skin wash. Rubber boots to keep feet dry

### **Section 10 Special Precautions**

Store between 30° F and 110° F. Store away from heat or ignition sources. Store out of direct sunlight. Keep out of reach of children. Keep container closed when not in use. For industrial and institutional use only. Mix only with water. Thoroughly rinse empty containers before disposal.

**Section 11 Toxicity Data****Toxicity:**

| <u>Ingredient</u>               | <u>LD50 - Oral</u> | <u>LD50 – skin absorption</u> | <u>LC50 - Inhalation</u> | <u>Effects</u>        |
|---------------------------------|--------------------|-------------------------------|--------------------------|-----------------------|
| Sodium dodecylbenzene sulfonate | 1260 mg/kg (rat)   | 500 mg/24 hr (MOD)            | ND                       | ND                    |
| Ammonium laureth sulfate        | 630 mg/kg (rat)    | ND                            | ND                       | Eye and skin irritant |
| Cocamide DEA                    | 12400 µL/kg (rat)  | ND                            | ND                       |                       |

**Carcinogenicity:**

| <u>Ingredient</u>               | <u>NTP</u> | <u>IARC</u> | <u>OSHA</u> |
|---------------------------------|------------|-------------|-------------|
| Sodium dodecylbenzene sulfonate | No         | No          | No          |
| Ammonium laureth sulfate        | No         | No          | No          |
| Cocamide DEA                    | No         | No          | No          |

**Other effects:**

| <u>Ingredient</u>               | <u>Reproductive Toxicity</u> | <u>Teratogenicity</u> | <u>Mutagenicity</u>      |
|---------------------------------|------------------------------|-----------------------|--------------------------|
| Sodium dodecylbenzene sulfonate | ND                           | ND                    | Ames test: non-mutagenic |
| Ammonium laureth sulfate        | ND                           | ND                    | ND                       |
| Cocamide DEA                    | ND                           | ND                    | ND                       |

**Section 12 Ecological Information****Ingredient**

|                                 |  |
|---------------------------------|--|
| Sodium dodecylbenzene sulfonate | Readily biodegradable / Aquatic LC50 = 1.0-10 mg/L   |
| Ammonium laureth sulfate        | Ultimate biodegradation has been shown to reach 100% in 28 to 55 days<br>Fathead minnow 48 hrs = LC50 > 1.5 mg/L / Daphnia magna 24 hrs = LC50 > 5-37 mg/L |
| Cocamide DEA                    | Readily biodegradable / ultimate biodegradation = 93% in 15 days / Ecotoxicity: no data  |

**Section 13 Hazard Rating - HMIS**

0 = minimal    1 = slight    2 = moderate    3 = serious    4 = severe  
 Health: 0    Reactivity: 0    Fire: 0    Personal protection equipment = B (gloves & glasses)

**Section 14 Regulatory Information****• Chemical Inventory Status - part 1 •**

| <u>Ingredient</u>               | <u>TSCA</u> | <u>EC</u> | <u>Japan</u> | <u>Australia</u> |
|---------------------------------|-------------|-----------|--------------|------------------|
| Sodium dodecylbenzene sulfonate | Yes         | Yes       | Yes          | Yes              |
| Ammonium laureth sulfate        | Yes         | Yes       | Yes          | Yes              |
| Cocamide DEA                    | Yes         | Yes       | Yes          | Yes              |

**• Chemical Inventory Status – part 2 •**

| <u>Ingredient</u>               | <u>Korea</u> | <u>-----Canada-----</u> | <u>Philippines</u> |
|---------------------------------|--------------|-------------------------|--------------------|
|                                 |              | <u>DSL</u>              | <u>NDSL</u>        |
| Sodium dodecylbenzene sulfonate | Yes          | Yes                     | No                 |
|                                 |              |                         | Yes                |

