



# MASTER CHAIN LUBE 10 OZ.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 08/19/2014

Version:

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : MASTER CHAIN LUBE 10 OZ.  
Product code : CL16

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Chain and Cable Lube

#### 1.3. Details of the supplier of the safety data sheet

Master Chemical  
4635 Willow Drive  
Medina, MN 55340 - USA  
T: 612-478-2360

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Flam. Aerosol 1 H222  
Compressed gas H280  
Muta. 1B H340  
Carc. 1A H350

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

##### Hazard pictograms (GHS-US)



##### Signal word (GHS-US)

: Danger

##### Hazard statements (GHS-US)

: H222 - Extremely flammable aerosol  
H280 - Contains gas under pressure; may explode if heated  
H340 - May cause genetic defects  
H350 - May cause cancer

##### Precautionary statements (GHS-US)

: P201 - Obtain special instructions  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking  
P211 - Do not spray on an open flame or other ignition source  
P251 - Pressurized container: Do not pierce or burn, even after use  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P405 - Store locked up  
P410+P403 - Protect from sunlight. Store in a well-ventilated place  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

#### 2.3. Other hazards

##### Other hazards not contributing to the classification

: Contains gas under pressure; may explode if heated.

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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| Name                                                   | Product identifier  | %       | Classification (GHS-US)                                                     |
|--------------------------------------------------------|---------------------|---------|-----------------------------------------------------------------------------|
| distillates (petroleum), hydrotreated heavy naphthenic | (CAS No) 64742-52-5 | 50 - 70 | Acute Tox. 4 (Inhalation:dust,mist), H332                                   |
| Petroleum gases, liquefied, sweetened                  | (CAS No) 68476-86-8 | 10 - 30 | Flam. Gas 1, H220<br>Flam. Liq. 1, H224<br>Muta. 1B, H340<br>Carc. 1A, H350 |
| Distillates (Petroleum), hydrotreated light            | (CAS No) 64742-47-8 | 10 - 30 | Asp. Tox. 1, H304                                                           |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Cough. Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Direct contact with the eyes is likely to be irritating. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : May cause genetic defects.
- Symptoms/injuries after inhalation : Shortness of breath. May cause cancer by inhalation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Aerosol level 3.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. No naked lights. No smoking. Isolate from fire, if possible, without unnecessary risk. Use special care to avoid static electric charges.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Gloves. Safety glasses.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Dam up the liquid spill.
- Methods for cleaning up : Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Obtain special instructions. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition, Direct sunlight, Heat sources.
- Storage area : Store in a well-ventilated place.

#### 7.3. Specific end use(s)

Follow Label Directions.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

|           |                                |                                        |
|-----------|--------------------------------|----------------------------------------|
| USA ACGIH | ACGIH TWA (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> Inhalable fraction |
|-----------|--------------------------------|----------------------------------------|

##### Distillates (Petroleum), hydrotreated light (64742-47-8)

|           |                 |                 |
|-----------|-----------------|-----------------|
| USA ACGIH | ACGIH TWA (ppm) | 200 ppm 8 Hours |
|-----------|-----------------|-----------------|

##### Petroleum gases, liquefied, sweetened (68476-86-8)

|           |                                     |                                                                |
|-----------|-------------------------------------|----------------------------------------------------------------|
| USA ACGIH | ACGIH TWA (ppm)                     | 1000 ppm Listed under Aliphatic hydrocarbon gases alkane C1-C4 |
| USA OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 1800 mg/m <sup>3</sup>                                         |
| USA OSHA  | OSHA PEL (TWA) (ppm)                | 1000 ppm                                                       |

#### 8.2. Exposure controls

- Appropriate engineering controls : Local exhaust ventilation, vent hoods.
- Personal protective equipment : Gloves. Safety glasses. Avoid all unnecessary exposure.



- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Gas
- Appearance : Liquid.
- Color : Colourless to yellow.
- Odor : Characteristic. Mild.
- Odor threshold : No data available
- pH : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : No data available

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|                                 |                                |
|---------------------------------|--------------------------------|
| Freezing point                  | : No data available            |
| Boiling point                   | : -31.1 °C (Lowest Component)  |
| Flash point                     | : -96.23 °C (Lowest Component) |
| Auto-ignition temperature       | : No data available            |
| Decomposition temperature       | : No data available            |
| Flammability (solid, gas)       | : No data available            |
| Vapor pressure                  | : No data available            |
| Relative vapor density at 20 °C | : No data available            |
| Relative density                | : 0.88                         |
| Solubility                      | : Insoluble in water.          |
| Log Pow                         | : No data available            |
| Log Kow                         | : No data available            |
| Viscosity, kinematic            | : No data available            |
| Viscosity, dynamic              | : No data available            |
| Explosive properties            | : No data available            |
| Oxidizing properties            | : No data available            |
| Explosive limits                | : No data available            |

### 9.2. Other information

|             |          |
|-------------|----------|
| VOC content | : 22.5 % |
|-------------|----------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                |                  |
|----------------|------------------|
| Acute toxicity | : Not classified |
|----------------|------------------|

| distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5) |              |
|---------------------------------------------------------------------|--------------|
| LD50 oral rat                                                       | > 5000 ml/kg |
| LD50 dermal rabbit                                                  | > 2000 mg/kg |
| LC50 inhalation rat (mg/l)                                          | 2.18 mg/l/4h |

| Distillates (Petroleum), hydrotreated light (64742-47-8) |                                                                |
|----------------------------------------------------------|----------------------------------------------------------------|
| LD50 oral rat                                            | > 5000 mg/kg body weight                                       |
| LD50 dermal rabbit                                       | > 2000 mg/kg                                                   |
| LC50 inhalation rat (mg/l)                               | > 5.28 mg/l/4h Based on lack of mortality and systemic effects |

|                                                  |                              |
|--------------------------------------------------|------------------------------|
| Skin corrosion/irritation                        | : Not classified             |
| Serious eye damage/irritation                    | : Not classified             |
| Respiratory or skin sensitization                | : Not classified             |
| Germ cell mutagenicity                           | : May cause genetic defects. |
| Carcinogenicity                                  | : May cause cancer.          |
| Reproductive toxicity                            | : Not classified             |
| Specific target organ toxicity (single exposure) | : Not classified             |

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|                                                     |                                                                     |
|-----------------------------------------------------|---------------------------------------------------------------------|
| Specific target organ toxicity (repeated exposure)  | : Not classified                                                    |
| Aspiration hazard                                   | : Not classified                                                    |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/injuries after inhalation                  | : Shortness of breath. May cause cancer by inhalation.              |

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

|                |                      |
|----------------|----------------------|
| EC50 Daphnia 1 | > 1000 mg/l 48 HOURS |
|----------------|----------------------|

#### 12.2. Persistence and degradability

##### MASTER CHAIN LUBE 10 OZ.

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

##### distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

##### Distillates (Petroleum), hydrotreated light (64742-47-8)

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

##### Petroleum gases, liquefied, sweetened (68476-86-8)

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

#### 12.3. Bioaccumulative potential

##### MASTER CHAIN LUBE 10 OZ.

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

##### distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

##### Distillates (Petroleum), hydrotreated light (64742-47-8)

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

##### Petroleum gases, liquefied, sweetened (68476-86-8)

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

|                   |                                     |
|-------------------|-------------------------------------|
| Other information | : Avoid release to the environment. |
|-------------------|-------------------------------------|

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                                |                                                                                                                                                                                                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations. |
| Additional information         | : Flammable vapors may accumulate in the container.                                                                                                                                                                                                                                     |
| Ecology - waste materials      | : Avoid release to the environment.                                                                                                                                                                                                                                                     |

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| US DOT (ground):    | UN1950, Aerosols, 2.1, Limited Quantity                                                  |
| ICAO/IATA (air):    | UN1950, Aerosols, 2.1, Limited Quantity                                                  |
| IMO/IMDG (water):   | UN1950, Aerosols, 2.1, Limited Quantity                                                  |
| Special Provisions: | N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols. |

#### 14.2. UN proper shipping name

|                                                   |                                                            |
|---------------------------------------------------|------------------------------------------------------------|
| DOT Proper Shipping Name                          | : Aerosols<br>flammable, (each not exceeding 1 L capacity) |
| Department of Transportation (DOT) Hazard Classes | : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115           |

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Hazard labels (DOT) : 2.1 - Flammable gas



DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.  
DOT Packaging Exceptions (49 CFR 173.xxx) : 306  
DOT Packaging Non Bulk (49 CFR 173.xxx) : None  
DOT Packaging Bulk (49 CFR 173.xxx) : None

### 14.3. Additional information

Other information : No supplementary information available.

### Overland transport

No additional information available

### Transport by sea

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.  
DOT Vessel Stowage Other : 48 - Stow "away from" sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

### Air transport

DOT Quantity Limitations Passenger aircraft/rail : 75 kg  
(49 CFR 173.27)  
DOT Quantity Limitations Cargo aircraft only (49 : 150 kg  
CFR 175.75)

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### MASTER CHAIN LUBE 10 OZ.

|                                     |                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------|
| SARA Section 311/312 Hazard Classes | Fire hazard<br>Immediate (acute) health hazard<br>Sudden release of pressure hazard |
|-------------------------------------|-------------------------------------------------------------------------------------|

#### distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

|                                     |                                 |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
|-------------------------------------|---------------------------------|

#### Distillates (Petroleum), hydrotreated light (64742-47-8)

|                                     |                                 |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
|-------------------------------------|---------------------------------|

#### Petroleum gases, liquefied, sweetened (68476-86-8)

|                                     |                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard<br>Fire hazard<br>Sudden release of pressure hazard |
|-------------------------------------|-------------------------------------------------------------------------------------|

### 15.2. International regulations

#### CANADA

#### MASTER CHAIN LUBE 10 OZ.

|                      |                                        |
|----------------------|----------------------------------------|
| WHMIS Classification | Class B Division 5 - Flammable Aerosol |
|----------------------|----------------------------------------|

#### distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Distillates (Petroleum), hydrotreated light (64742-47-8)

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
|----------------------|-----------------------------------------------------------------|

### EU-Regulations

#### distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

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### Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.1; R45

Muta.Cat.2; R46

F+; R12

Full text of R-phrases: see section 16

### 15.2.2. National regulations

#### distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

Listed on AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4   |
| Asp. Tox. 1                         | Aspiration hazard Category 1                       |
| Carc. 1A                            | Carcinogenicity Category 1A                        |
| Compressed gas                      | Gases under pressure Compressed gas                |
| Flam. Aerosol 1                     | Flammable aerosol Category 1                       |
| Flam. Gas 1                         | Flammable gases Category 1                         |
| Flam. Liq. 1                        | Flammable liquids Category 1                       |
| Muta. 1B                            | Germ cell mutagenicity Category 1B                 |
| H220                                | Extremely flammable gas                            |
| H222                                | Extremely flammable aerosol                        |
| H224                                | Extremely flammable liquid and vapor               |
| H280                                | Contains gas under pressure; may explode if heated |
| H304                                | May be fatal if swallowed and enters airways       |
| H332                                | Harmful if inhaled                                 |
| H340                                | May cause genetic defects                          |
| H350                                | May cause cancer                                   |

NFPA health hazard

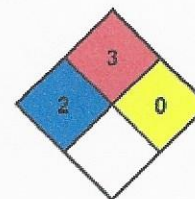
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 3 Serious Hazard

Physical

: 1 Slight Hazard

Personal Protection

: B

SDS US (GHS HazCom 2012)

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

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