1. Identification

Product identifier: Dry Moly Lube

Other means of identification:
- Product Code: No. 03084 (Item# 1003351)

Recommended use: Dry film lubricant

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer or sold by:
- Company name: CRC Industries, Inc.
- Address: 885 Louis Dr.
  Warminster, PA 18974 US
- Telephone: 215-674-4300
- General Information: 800-521-3168
- Technical Assistance: 800-272-4620
- Customer Service: 800-424-9300 (US)
- 24-Hour Emergency (CHEMTREC): 703-527-3887 (International)
- Website: www.crcindustries.com

2. Hazard(s) identification

Physical hazards
- Flammable aerosols: Category 1
- Gases under pressure: Liquefied gas

Health hazards
- Serious eye damage/eye irritation: Category 2A
- Reproductive toxicity (the unborn child): Category 2
- Specific target organ toxicity, single exposure: Category 3 respiratory tract irritation
- Specific target organ toxicity, single exposure: Category 3 narcotic effects
- Specific target organ toxicity, repeated exposure: Category 2
- Aspiration hazard: Category 1

Environmental hazards
- Hazardous to the aquatic environment, acute hazard: Category 3
- Hazardous to the aquatic environment, long-term hazard: Category 3

OSHA defined hazards
- Not classified.

Label elements

Signal word: Danger

Hazard statement: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe mist or vapor. Do not apply while equipment is energized. Extinguish all flames, pilot lights and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in 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/attention. If exposed or concerned: Get medical advice/attention.

Storage

Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.

Disposal

Dispose of contents/container in accordance with local/regional/national regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td></td>
<td>67-64-1</td>
<td>25 - 35</td>
</tr>
<tr>
<td>isopropyl alcohol</td>
<td></td>
<td>67-63-0</td>
<td>20 - 30</td>
</tr>
<tr>
<td>n-butane</td>
<td></td>
<td>106-97-8</td>
<td>20 - 30</td>
</tr>
<tr>
<td>propane</td>
<td></td>
<td>74-98-6</td>
<td>5 - 10</td>
</tr>
<tr>
<td>heptane, branched, cyclic and linear</td>
<td></td>
<td>426260-76-6</td>
<td>3 - 5</td>
</tr>
<tr>
<td>molybdenum disulphide</td>
<td></td>
<td>1317-33-5</td>
<td>1 - 3</td>
</tr>
<tr>
<td>n-heptane</td>
<td></td>
<td>142-82-5</td>
<td>1 - 3</td>
</tr>
<tr>
<td>solvent naphtha (petroleum), medium aliph.</td>
<td></td>
<td>64742-88-7</td>
<td>1 - 3</td>
</tr>
<tr>
<td>toluene</td>
<td></td>
<td>108-88-3</td>
<td>&lt; 0.3</td>
</tr>
</tbody>
</table>

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs.

Most important symptoms/effects, acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).
Do not use water jet as an extinguisher, as this will spread the fire.

## Unsuitable extinguishing media

Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.

## Specific hazards arising from the chemical

Pressurized container may rupture when exposed to heat or flame. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

## General fire hazards

Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

## Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

## Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

## Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Do not breathe mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label.

### Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place.

## 8. Exposure controls/personal protection

### Occupational exposure limits

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone (CAS 67-64-1)</td>
<td>PEL</td>
<td>2400 mg/m³</td>
<td></td>
</tr>
<tr>
<td>isopropyl alcohol (CAS 67-63-0)</td>
<td>PEL</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>molybdenum disulphide (CAS 1317-33-5)</td>
<td>PEL</td>
<td>980 mg/m³</td>
<td></td>
</tr>
<tr>
<td>n-heptane (CAS 142-82-5)</td>
<td>PEL</td>
<td>400 ppm</td>
<td></td>
</tr>
<tr>
<td>propane (CAS 74-98-6)</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>2000 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>500 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1800 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Material name: Dry Moly Lube

No. 03084 (Item# 1003351) Version #: 04 Revision date: 12-12-2017 Issue date: 02-26-2015
### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)</td>
<td>PEL</td>
<td>400 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

### US. OSHA Table Z-2 (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>toluene (CAS 108-88-3)</td>
<td>Ceiling</td>
<td>300 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
</tbody>
</table>

### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone (CAS 67-64-1)</td>
<td>STEL</td>
<td>500 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>250 ppm</td>
</tr>
<tr>
<td>isopropyl alcohol (CAS 67-63-0)</td>
<td>STEL</td>
<td>400 ppm</td>
</tr>
<tr>
<td>molybdenum disulphide (CAS 1317-33-5)</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>3 mg/m³ Respirable fraction.</td>
</tr>
<tr>
<td>n-butane (CAS 106-97-8)</td>
<td>STEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>n-heptane (CAS 142-82-5)</td>
<td>STEL</td>
<td>500 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>400 ppm</td>
</tr>
<tr>
<td>solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)</td>
<td>TWA</td>
<td>200 mg/m³ Non-aerosol.</td>
</tr>
<tr>
<td>toluene (CAS 108-88-3)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>

### US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone (CAS 67-64-1)</td>
<td>TWA</td>
<td>590 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250 ppm</td>
</tr>
<tr>
<td>isopropyl alcohol (CAS 67-63-0)</td>
<td>STEL</td>
<td>1225 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>500 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>980 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 ppm</td>
</tr>
<tr>
<td>n-butane (CAS 106-97-8)</td>
<td>TWA</td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td>n-heptane (CAS 142-82-5)</td>
<td>Ceiling</td>
<td>1800 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>440 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>350 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>85 ppm</td>
</tr>
<tr>
<td>propane (CAS 74-98-6)</td>
<td>TWA</td>
<td>1800 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)</td>
<td>TWA</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>toluene (CAS 108-88-3)</td>
<td>STEL</td>
<td>560 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>375 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

### Biological limit values

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone (CAS 67-64-1)</td>
<td>25 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
</tr>
</tbody>
</table>

Material name: Dry Moly Lube

SDS US

No. 03084 (Item# 1003351) Version #: 04 Revision date: 12-12-2017 Issue date: 02-26-2015
ACGIH Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>isopropyl alcohol (CAS 67-63-0)</td>
<td>40 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>toluene (CAS 108-88-3)</td>
<td>0.3 mg/g</td>
<td>o-Cresol, with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.03 mg/l</td>
<td>Toluene</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>0.02 mg/l</td>
<td>Toluene</td>
<td>Blood</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

Exposure guidelines

**US - California OELs:** Skin designation
toluene (CAS 108-88-3) Can be absorbed through the skin.

**US - Minnesota Haz Subs:** Skin designation applies
toluene (CAS 108-88-3) Skin designation applies.

**US ACGIH Threshold Limit Values:** Skin designation
solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)
Can be absorbed through the skin.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection**

Wear protective gloves such as: Nitrile. Neoprene.

**Other**

Wear suitable protective clothing.

**Respiratory protection**

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

**Appearance**

**Physical state**

Liquid.

**Form**

Aerosol.

**Color**

Gray.

**Odor**

Solvent.

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not available.

**Flash point**

-20.2 °F (-29 °C) Pensky-Martens Closed Cup

**Evaporation rate**

Fast.

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)**

1 %
Flammability limit - upper
(\%) 12.8%
Vapor pressure 13.5 kPa
Vapor density 1.55 (air = 1)
Relative density 0.71
Solubility(ies)
Solubility (water) Not available.
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Percent volatile 96.8 % estimated

10. Stability and reactivity
Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability Material is stable under normal conditions.
Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.
Conditions to avoid Heat, flames and sparks. Contact with incompatible materials.
Hazardous decomposition products Carbon oxides. Sulfur oxides. Metal oxides.

11. Toxicological information
Information on likely routes of exposure
Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system.
Skin contact No adverse effects due to skin contact are expected.
Eye contact Causes serious eye irritation.
Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation.
Information on toxicological effects
Acute toxicity May be fatal if swallowed and enters airways.
Components Species Test Results
acetone (CAS 67-64-1)
Acute
Dermal LD50 Rabbit 20000 mg/kg
Oral LD50 Rat 5800 mg/kg
heptane, branched, cyclic and linear (CAS 426260-76-6)
Acute
Dermal LD50 Rabbit > 2000 mg/kg
Inhalation LC50 Rat > 60 mg/l, 4 hours
Oral LD50 Rat > 5000 mg/kg
## Test Results

### Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>isopropyl alcohol (CAS 67-63-0)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD50</td>
<td>5030 - 7900 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>Rat</td>
<td>16000 ppm, 4 hours</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td>Rat</td>
</tr>
<tr>
<td>LD50</td>
<td>4700 - 5800 mg/kg</td>
</tr>
<tr>
<td><strong>n-heptane (CAS 142-82-5)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD50</td>
<td>3000 mg/kg</td>
</tr>
<tr>
<td><strong>propane (CAS 74-98-6)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD50</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation
- Prolonged skin contact may cause temporary irritation.

### Serious eye damage/eye irritation
- Causes serious eye irritation.

### Respiratory or skin sensitization

#### Respiratory sensitization
- Not a respiratory sensitizer.

#### Skin sensitization
- This product is not expected to cause skin sensitization.

### Germ cell mutagenicity
- No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity
- Not classifiable as to carcinogenicity to humans.
  - **IARC Monographs. Overall Evaluation of Carcinogenicity**
    - toluene (CAS 108-88-3): Not classifiable as to carcinogenicity to humans.
    - Not regulated.
  - **US. National Toxicology Program (NTP) Report on Carcinogens**
    - Not listed.

### Reproductive toxicity
- Suspected of damaging the unborn child.

### Specific target organ toxicity - single exposure
- May cause respiratory irritation. May cause drowsiness and dizziness.

### Specific target organ toxicity - repeated exposure
- May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard
- May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death.

### Chronic effects
- May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

### Ecotoxicity

#### Components
- Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>acetone (CAS 67-64-1)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Crustacea</strong></td>
<td>EC50</td>
<td>Water flea (Daphnia magna)</td>
</tr>
<tr>
<td>Rainbow trout, donaldson trout (Oncorhynchus mykiss)</td>
<td>10294 - 17704 mg/l, 48 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Fish</strong></td>
<td>LC50</td>
<td>4740 - 6330 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

---

Material name: Dry Moly Lube
No. 03084 (Item# 1003351)  Version #: 04  Revision date: 12-12-2017  Issue date: 02-26-2015

SDS US 7 / 12
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>heptane, branched, cyclic and linear (CAS 426260-76-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>1.5 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td></td>
</tr>
<tr>
<td>isopropyl alcohol (CAS 67-63-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>&gt; 1400 mg/l, 96 hours</td>
</tr>
<tr>
<td>n-heptane (CAS 142-82-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>1.5 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td></td>
</tr>
<tr>
<td>solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>2.7 - 5.1 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>8.8 mg/l, 96 hours</td>
</tr>
<tr>
<td>toluene (CAS 108-88-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>6 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>5.5 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

**Persistence and degradability**

No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Partition coefficient n-octanol / water (log Kow)</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>-0.24</td>
</tr>
<tr>
<td>isopropyl alcohol</td>
<td>0.05</td>
</tr>
<tr>
<td>n-butane</td>
<td>2.89</td>
</tr>
<tr>
<td>n-heptane</td>
<td>4.66</td>
</tr>
<tr>
<td>propane</td>
<td>2.36</td>
</tr>
<tr>
<td>toluene</td>
<td>2.73</td>
</tr>
</tbody>
</table>

**Bioconcentration factor (BCF)**

<table>
<thead>
<tr>
<th>Toluene</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90</td>
</tr>
</tbody>
</table>

**Mobility in soil**

No data available.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions**

If discarded, this product is considered a RCRA ignitable waste, D001. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

**Hazardous waste code**

D001: Waste Flammable material with a flash point <140 F

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information**

**DOT**

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1950</td>
<td>Aerosols, flammable, Limited Quantity</td>
</tr>
</tbody>
</table>
Transport hazard class(es)
  Class  2.1
  Subsidiary risk -
  Label(s) 2.1
Packing group Not applicable.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Special provisions N82
Packaging exceptions 306
Packaging non bulk None
Packaging bulk None

IATA
UN number UN1950
UN proper shipping name Aerosols, flammable, Limited Quantity

IMDG
UN number UN1950
UN proper shipping name AEROSOLS, Limited Quantity

15. Regulatory information
US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
acetone (CAS 67-64-1) Listed.
toluene (CAS 108-88-3) Listed.

CERCLA Hazardous Substances: Reportable quantity
acetone (CAS 67-64-1) 5000 LBS
toluene (CAS 108-88-3) 1000 LBS

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
n-butane (CAS 106-97-8)
propane (CAS 74-98-6)
**Safe Drinking Water Act (SDWA)**

Not regulated.

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

- Acetone (CAS 67-64-1) 6532
- Toluene (CAS 108-88-3) 6594

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

- Acetone (CAS 67-64-1) 35 %WV
- Toluene (CAS 108-88-3) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

- Acetone (CAS 67-64-1) 6532
- Toluene (CAS 108-88-3) 594

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

- Acetone (CAS 67-64-1) Low priority
- Isopropyl alcohol (CAS 67-63-0) Low priority

**Food and Drug Administration (FDA)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

- Classified hazard categories
  - Flammable (gases, aerosols, liquids, or solids)
  - Gas under pressure
  - Serious eye damage or eye irritation
  - Reproductive toxicity
  - Specific target organ toxicity (single or repeated exposure)

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 313 (TRI reporting)**

Not regulated.

**US state regulations**

**US. New Jersey Worker and Community Right-to-Know Act**

- Acetone (CAS 67-64-1)
- Isopropyl alcohol (CAS 67-63-0)
- N-butane (CAS 106-97-8)
- N-heptane (CAS 142-82-5)
- Propane (CAS 74-98-6)
- Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)
- Toluene (CAS 108-88-3)

**US. Massachusetts RTK - Substance List**

- Acetone (CAS 67-64-1)
- Isopropyl alcohol (CAS 67-63-0)
- Molybdenum disulphide (CAS 1317-33-5)
- N-butane (CAS 106-97-8)
- N-heptane (CAS 142-82-5)
- Propane (CAS 74-98-6)
- Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)
- Toluene (CAS 108-88-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

- Acetone (CAS 67-64-1)
- Isopropyl alcohol (CAS 67-63-0)
- N-butane (CAS 106-97-8)
- N-heptane (CAS 142-82-5)
- Propane (CAS 74-98-6)
- Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)
- Toluene (CAS 108-88-3)

**US. Rhode Island RTK**

- Acetone (CAS 67-64-1)
- Isopropyl alcohol (CAS 67-63-0)
- N-butane (CAS 106-97-8)
- N-heptane (CAS 142-82-5)
- Propane (CAS 74-98-6)
- Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)
California Proposition 65

WARNING: This product can expose you to toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Developmental toxin

toluene (CAS 108-88-3) Listed: January 1, 1991

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

acetone (CAS 67-64-1)
isopropyl alcohol (CAS 67-63-0)
n-butane (CAS 106-97-8)
solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)
toluene (CAS 108-88-3)

Volatile organic compounds (VOC) regulations

EPA

VOC content (40 CFR 51.100(s)) 61.8 %

Consumer products (40 CFR 59, Subpt. C) Not regulated

State

Consumer products

This product is regulated as a Dry Lubricant. This product is compliant for use in all 50 states.

VOC content (CA) 61.8 %

VOC content (OTC) 61.8 %

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Toxic Chemical Substances (TCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| Issue date | 02-26-2015 |
| Revision date | 12-12-2017 |
| Prepared by | Allison Yoon |
| Version # | 04 |
| HMIS® ratings | Health: 2*  
| | Flammability: 4  
| | Physical hazard: 0  
| | Personal protection: B |
| NFPA ratings | Health: 2  
| | Flammability: 4  
| | Instability: 0 |
NFPA ratings

Disclaimer
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC’s knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety professional, or CRC Industries, Inc..

Revision information
This document has undergone significant changes and should be reviewed in its entirety.