

Safety Data Sheet



C K Enterprises, Inc.
1204 SW Jefferson Street
Lee's Summit, Missouri 64081-9899
(816) 524-1304

Section 1. Chemical Product and Company Identification

Product Name CK Dry Moly
Product Use Dry Moly Lubricant
Product Code 6878-A16
Date of Issue 1/4/16
Supersedes -

Emergency Telephone Numbers
CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER



Health Hazards

| | |
|--|-------------|
| Acute Toxicity; Oral, Inhalation | Category 4 |
| Skin Corrosion/Irritation | Category 2 |
| Serious eye damage/ eye irritation | Category 2A |
| Specific Target Organ Toxicity, single exposure; Respiratory Tract | Category 3 |
| Specific Target Organ Toxicity; Repeated Exposure | Category 2 |
| Carcinogenicity | Category 1B |

Physical Hazards

| | |
|--------------------|------------|
| Flammable Aerosols | Category 1 |
|--------------------|------------|

Precautionary Statements:

| | |
|----------------|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat, sparks, open flames and hot surfaces – no smoking |
| P211 | Do not spray on an open flame or other ignition sources |
| P251 | Pressurized container: Do not pierce or burn even after use |
| P260 | Do not breathe in mist, vapors or sprays |
| P264 | Wash hands thoroughly after handling |
| P270 | Do not eat, drink or smoke while using product |
| P271 | Use outdoors or in a well-ventilated area |
| P280 | Wear protective gloves, clothing and eye protection |
| P301+P312 | IF SWALLOWED: Call a poison center or physician if you feel unwell |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water |
| P304+P340+P312 | IF INHALED: Remove victim to fresh air and keep in a recovery position comfortable for breathing. Call a poison center or physician if you feel unwell. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P332+P313 | IF skin irritation occurs: Get medical advice/attention. |
| P337+P313 | IF eye irritation persists: Get medical advice/attention. |
| P362 | Remove contaminated clothing and wash before reuse |
| P403+P233 | Use in a well-ventilated area. Keep container tightly closed. |
| P405 | Store locked up |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 122°F |
| P501 | Dispose in accordance with all federal, state and local regulations |

Hazard Statements:

| | |
|------|--|
| H222 | Extremely flammable aerosol |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H350 | May cause cancer |
| H373 | Causes damage to organs through prolonged or repeated exposure |

Routes of Entry Dermal, Oral, and Inhalation**Acute Effects:**

| | |
|-------------------|---|
| Eyes | Causes serious eye irritation. Overexposure causes redness and burning sensation. |
| Skin | Causes skin irritation. Overexposure causes defatting of the skin. |
| Inhalation | Causes irritation, nausea, headache, dizziness and loss of coordination. Prolonged exposure can cause unconsciousness and even death. |
| Ingestion | Nausea, vomiting, and gastrointestinal distress |

Section 3. Composition/Information on Ingredients

| Name of Hazardous Ingredients | CAS Number | % by Weight |
|--------------------------------------|-------------------|--------------------|
| Methylene Chloride | 75-09-2 | 52-88 |
| Butane | 106-97-8 | 21-35 |
| Molybdenum (IV) Sulfide | 1317-33-5 | 3-7 |
| Isobutane | 75-28-5 | 1-3 |
| Propane | 74-98-6 | 0.9-2 |

Section 4. First Aid Measures

| | |
|---------------------|---|
| Eye Contact | Rinse cautiously with water for at least 15 minutes holding open eyelids. Remove contact lenses if present and easy to do. If irritation persists, get medical advice or attention. |
| Skin Contact | Remove all contaminated clothing; wash before reuse. Wash skin with water for at least 15 minutes. Call a poison center or doctor if you feel unwell. |
| Inhalation | Remove to fresh air. Call a poison center or doctor if you feel unwell. |
| Ingestion | Rinse mouth. Do not induce vomiting. Immediately call a poison center or physician. If vomiting occurs, lie on your side in the recovery position. Never give anything orally to an unconscious person. |

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)
(estimated rating)



| | |
|---------------------------------------|--|
| Hazardous Combustion Products | CO and CO ₂ |
| Extinguishing Media | Water, fog, dry chemical or carbon dioxide |
| Unsuitable Extinguishing Media | Water may be ineffective but can be used to cool containers |
| Fire Fighting Procedures | Stop spill/release if it can be done without risk. Move undamaged containers if it can be done safely. Contents under pressure. Keep away from ignition sources and open flames. Exposure to extreme heat and flames can cause them to rupture often with violent force. |

Section 6. Accidental Release Measures

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|-----------------------|---|
| Spill Clean Up | Stop spill/release if it can be done without risk. Prevent spilled material from entering sewers, storm drains and waterways. Eliminate all ignition sources. Avoid contact with spilled material. Do not touch or walk through spilled material. Clean up immediately. Use absorbent sweeping compound to soak up material and put into suitable container for disposal. |
|-----------------------|---|

Section 7. Handling and Storage**Handling and Storage**

For industrial use only. Keep away from children. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe in vapors. Do not eat, drink or smoke while using product. Store in a cool, dry place. Protect from sunlight. Empty containers retain residue that may be dangerous.

Section 8. Exposure Controls/Personal Protection**Exposure Limits**

| Product Name | OSHA PEL | NIOSH REL | AIHA WEEL | ACGIH TLV |
|------------------------------|----------|-------------------------------|-----------|-----------|
| Methylene Chloride (75-09-2) | 25ppm | Lowest Feasible Concentration | - | 50ppm |
| Butane (106-97-8) | - | 800ppm | - | 1,000ppm |
| Isobutane (75-28-5) | - | 800ppm | - | - |
| Propane (74-98-6) | 1,000ppm | 1,000ppm | - | 2,500ppm |

Engineering Controls

Use in a well-ventilated area

**Personal Protective Equipment (PPE)**

Eyes Chemical splash goggles

Body Rubber or neoprene gloves; long sleeved shirt and pants

Respiratory Use a NIOSH approved respirator if TLV are reached or exceeded

Section 9. Physical and Chemical Properties

| | | | |
|-------------------------|----------------------|------------------------------|----------------|
| Physical State | Aerosol | Explosive Limits | N/A |
| Color | Clear | Vapor Pressure | N/A |
| Odor | Characteristic odor | Vapor Density | N/A |
| Odor Threshold | N/A | Density | 8.06622 lb/gal |
| pH | N/A | Solubility | Insoluble |
| Freezing Point | N/A | Partition Coefficient | N/A |
| Boiling Point | High: 395°F Low: 0°F | Auto-Ignition Temp. | N/A |
| Flash Point | <73°F | Decomposition Temp. | 0 |
| Evaporation Rate | Slower than ether | Viscosity | N/A |
| Flammability | Extremely flammable | Specific Gravity | N/A |

Section 10. Stability and Reactivity

| | |
|---|------------------------|
| Stability and Reactivity | Stable |
| Incompatibility | None known |
| Hazardous Polymerization | Will not occur |
| Hazardous Decomposition Products | CO and CO ₂ |
| Conditions to Avoid | High temperatures |

Section 11. Toxicological Information

| | |
|------------------------|-----------------------------|
| Routes of Entry | Dermal, oral and inhalation |
| Symptoms | See section 2 |
| Skin Irritant | Yes |
| Eye Irritant | Yes |
| Sensitizers | Not determined |

| | |
|------------------------------|---|
| Mutagenicity | No information found |
| Carcinogenicity | Group 2A (IARC): Methylene Chloride (75-09-2) |
| Reproductive Toxicity | No information found |
| Target Organs | May cause respiratory irritation (Category 3) May cause damage to organs through prolonged or repeated exposure (Category 2) |

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

| Test | Results | Basis |
|-------------------|------------|---------------------------|
| Dermal | No data | |
| Oral | 1,907mg/kg | ATE determined Category 4 |
| Inhalation | 15,841ppm | ATE determined Category 4 |

Section 12. Ecological Information

Environmental Effects No ecological information available

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

| Regulatory Information | UN number | Proper Shipping Name | Classes | Packaging Group | Label Code |
|---------------------------|-----------|---|---------|-----------------|------------|
| DOT Classification | UN1950 | Aerosols, Flammable, (each not exceeding 1L capacity) | 2.1 | - | 2.1 |

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313:

| | | |
|--------------------|---------|--------|
| Methylene Chloride | 75-09-2 | 52-88% |
|--------------------|---------|--------|

The following substances have CERCLA reportable quantity values (in pounds):

| | | |
|---------------------------|----------------|--------------|
| Methylene Chloride | 75-09-2 | 1,000 |
|---------------------------|----------------|--------------|

State Regulations The following substance is known to the State of California Prop 65 as cancer causing:

| | |
|---------------------------|----------------|
| Methylene Chloride | 75-09-2 |
|---------------------------|----------------|

Section 16. Other Information

Last Revision 1/4/16

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.