

Safety Data Sheet
Moli Dri Dry Moly

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Moli Dri Dry Moly
PRODUCT CODE: 6014
RECOMMENDED USE: Dry Lubricant
RESTRICTIONS ON USE: None known.
COMPANY NAME: QuestSpecialty Corporation
COMPANY ADDRESS: P.O. Box 624, Brenham, TX 77834
COMPANY PHONE: 800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Liquid: Category 2

Skin Irritant: Category 2

Eye Irritant: Category 2A

Reproductive Toxicity: Category 2

Specific Target Organ Toxicity (Single Exposure): Category 3

Specific Target Organ Toxicity (Repeated Exposure): Category 2

HAZARD STATEMENT(S): DANGER: Highly flammable liquid and vapor. Causes skin and serious eye irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to central nervous system (CNS), liver, kidneys and respiratory system through prolonged or repeated exposure.

This product contains the following percentage of chemicals of unknown toxicity: N/A

PRECAUTIONARY STATEMENTS: Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection. IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water or shower. In case of fire use dry chemical, carbon dioxide or foam to extinguish. Store in a well-ventilated place. Keep cool. Obtain, read and follow all safety instructions before use. Wash hands thoroughly after handling. Wear protective gloves and eye protection. Do not eat, drink or smoke when using this product. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. 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 or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If exposed or concerned: Get medical advice or attention immediately. Do not breathe the mist, vapor and spray. Use only outdoors or in a well-ventilated area. Dispose of contents and container in accordance with local, state and federal regulations.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Acetone	67-64-1	45-70%
Isopropyl Alcohol	67-63-0	7-13%
Toluene	108-88-3	3-7%
Glycol Ether DPM	34590-94-8	1-5%

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.

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- INGESTION:** Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Keep head below hips if vomiting occurs. Seek immediate medical attention. Aspiration hazard. Never give anything by mouth to an unconscious person.
- INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
- SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.
- ACUTE HEALTH HAZARDS:** Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.
- CHRONIC HEALTH HAZARDS:** May cause damage to the following organs: kidneys, liver, respiratory, reproductive and central nervous systems. Repeated exposure to toluene, in combination with constant loud noise, can cause hearing loss and dizziness. Breathing high levels of toluene during pregnancy has been shown to result in children with birth defects and to retard mental abilities and growth.
- NOTE TO PHYSICIAN:** Treatment of overexposure should be directed at the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION V – FIRE-FIGHTING MEASURES

- EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, foam, and water spray or fog.
- UNSUITABLE EXTINGUISHING MEDIA:** Water jets or streams.
- SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** HIGHLY FLAMMABLE LIQUID AND VAPOR. Vapors may form explosive mixtures with air. Vapors heavier than air will settle in low lying areas and may travel to source of ignition and flash back. Keep away from heat, sparks, open flames and other sources of ignition.
- HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, hydrocarbons.

SECTION VI – ACCIDENTAL RELEASE MEASURES

- PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.
- SPILL:** Eliminate all sources of ignition. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains and natural waterways. Place waste in proper containers for disposal.
- WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.
- RCRA STATUS:** Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

- HANDLING AND STORAGE:** Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Use only with adequate ventilation. Do not inhale mist or vapor. Do not use or store with strong oxidizers. Vapors may collect in low-lying areas. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling.
- OTHER PRECAUTIONS:** Keep out of the reach of children. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not taste or swallow. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.
- INCOMPATIBILITY:** Some plastics, strong oxidizing agents, acids, caustics, alkalis and chemically active metals.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Acetone	1000 ppm	250 ppm
Toluene	200 ppm	20 ppm
Isopropyl Alcohol	400 ppm	200 ppm
Glycol Ether DPM	100 ppm	50 ppm

- ENGINEERING CONTROLS / VENTILATION:** Use only outdoors or in a well-ventilated area.
- RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.
- PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses/goggles, chemical resistant gloves and synthetic apron.

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ADDITIONAL MEASURES: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective clothing to prevent repeated or prolonged contact with product. No smoking or open flames. Avoid contact with skin or eyes and avoid breathing vapors. Wash hands after use. If clothing becomes contaminated, immediately remove and wash.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black thin liquid

ODOR: Solvent.

ODOR THRESHOLD: N/D

pH: N/A

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: < 73.4 °F (23° C)

EVAPORATION RATE: N/D

FLAMMABILITY (solid/gas): Highly flammable liquid.

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

EXPLOSIVE LIMIT LOWER (%): N/D

EXPLOSIVE LIMIT UPPER (%): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H₂O=1): 0.82-0.84 @ 77 °F (25 °C)

SOLUBILITY (IES): Negligible.

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D

AUTOIGNITION TEMPERATURE: N/D

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: None known.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Excess heat, open flame, sparks, electric equipment, ignition sources and incompatible materials. Avoid use in confined areas.

INCOMPATIBLE MATERIALS: Some plastics, strong oxidizing agents, acids, caustics, alkalis and chemically active metals.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Acetone (67-64-1): LD₅₀ (Oral, Rat) 5800 mg/kg; LD₅₀ (Oral, Mouse) 3000 mg/kg; LD₅₀ (Oral, Rabbit) 5340 mg/kg; LC₅₀ (Inhalation, Rat, 8h) 50100 mg/m³; LC₅₀ (Inhalation, Mouse, 4h) 44,000 mg/m³. Toluene (108-88-3): LD₅₀ (Oral, Rat) > 2000 mg/kg; LD₅₀ (Dermal, Rabbit) > 8000 mg/kg; LC₅₀ (Inhalation, Rat) > 12.5 mg/L.

ROUTES OF ENTRY: Eyes, Ingestion, Skin

EYES: Redness, irritation, causes temporary corneal opacity.

INGESTION: Not a likely route of exposure under normal product handling conditions. May cause nausea, diarrhea, vomiting, depending on the amount ingested.

INHALATION: May cause dizziness, nausea, central nervous system (CNS) effects.

SKIN: Causes irritation, redness, itching, and pain. Prolonged contact may cause defatting of the skin and dermatitis. May be harmful if absorbed through the skin.

MEDICAL CONDITION AGGRAVATED: Pre-existing conditions of the skin, liver, kidneys, central nervous system (CNS) and respiratory system.

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

CHRONIC HEALTH HAZARDS: May cause damage to the following organs: kidneys, liver, respiratory, reproductive and central nervous systems. Repeated exposure to toluene, in combination with constant loud noise, can cause hearing loss and dizziness. Breathing high levels of toluene during pregnancy has been shown to result in children with birth defects and to retard mental abilities and growth.

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CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: 3 - Not classifiable **OTHER:** CA Prop 65

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Avoid release to the environment. **Acetone** (67-64-1): LC₅₀ (*Oncorhynchus mykiss*, 96h) 5540 mg/L; EC₅₀ (*Daphnia magna*, 48h) 6100 mg/L; EC₅₀ (*Selenastrum quadricauda*, 8d) 7500 mg/L; EC₅₀ (*Psuedomonas putida*, 16h) 1700 mg/L. **Toluene** (108-88-3): LC₅₀ (*Oncorhynchus mykiss*, 96h) 5.8 mg/L; LC₅₀ (*Pimephales promelas*) 12.6 mg/L; EC₅₀ (*Daphnia magna*, 48h) 6 mg/L; EC₅₀ (*Pseudokirchneriella subcapitata*, 72h) 12 mg/L; EC₅₀ (*Photobacterium phosphoreum*, 30m) 20 mg/L.

PERSISTENCE AND DEGRADABILITY: Component or components of this product are expected to biodegrade over time.

BIOACCUMULATIVE POTENTIAL: Component or components in this product are not expected to bioaccumulate.

MOBILITY IN SOIL: This product is mobile in soil.

OTHER ADVERSE EFFECTS: None known.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: For products containing 0.3 gallons (1 liter) and less, Cleaning Compound, n.o.s.
For products containing more than 0.3 gallons (1 liter), Flammable Liquids, n.o.s. (Acetone)

HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN1993
PACKING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: Flammable Liquid, n.o.s. (Acetone).
HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN1993
PACKING GROUP: II

SHIPPING BY WATER:

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Flammable Liquid, n.o.s. (Acetone).
HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN1993
PACKING GROUP: II
ENVIRONMENTAL HAZARDS WATER: Marine Pollutant.

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): **Acetone** (67-64-1) Reportable Quantity = 5,000 pounds. **Toluene** (108-88-3) Reportable Quantity = 1000 pounds.

SARA 311/312 HAZARD CATEGORIES: Health Hazard and Physical Hazard.

SARA 313 REPORTABLE INGREDIENTS: **Toluene** (108-88-3).

CLEAN WATER ACT: **Acetone** (67-64-1) is a hazardous substance. **Toluene** (108-88-3) is a hazardous substance, a priority pollutant and a toxic pollutant.

STATE REGULATIONS: California Proposition 65: WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. **Acetone** (67-64-1): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, ME, MA, MN, NJ, PA, RI, WA. **Toluene** (108-88-3): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, IL, ME, MA, MI, MN, NJ, NY, NC, PA, RI, WA, WI. **Glycol Ether DPM** (34590-94-8): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA.

INTERNATIONAL REGULATIONS: Listed or exempt from listing/notification on the Domestic Substances List (DSL, Canada).

VOLATILE ORGANIC COMPOUNDS (VOC): 26.6%

NFPA HEALTH: 2 **HMIS HEALTH:** *2

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NFPA FLAMMABILITY: 3
NFPA REACTIVITY: 0
NFPA OTHER: None

HMIS FLAMMABILITY: 3
HMIS REACTIVITY: 0
HMIS PROTECTION: C

SECTION XVI - OTHER INFORMATION

PREPARATION BY: William Bell
DATE PREPARED: 04/22/2025
REVISION DATE: 08/22/2025

N/A = Not Applicable; N/D = Not Determined

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