

Safety Data Sheet
Liquid Moliguard

SECTION I - IDENTIFICATION

PRODUCT NAME: Liquid Moliguard
PRODUCT CODE: 6002
PRODUCT USE: Lubricant with Moly
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: Skin Irritant: Category 2

Eye Irritant: Category 2A

Carcinogenicity: Category 2

Specific Target Organ Toxicity (Single Exposure): Category 3

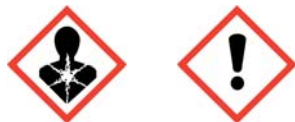
Specific Target Organ Toxicity (Repeated Exposure): Category 2

HAZARD STATEMENT(S): **Warning:** Causes skin and serious eye irritation. Suspected of causing cancer. May cause respiratory irritation, drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye protection. If exposed or concerned: Get medical advice or attention. Store in a well-ventilated place locked up. Keep container tightly closed. Dispose of contents and container in accordance with local, state, and national regulations. Wash hands thoroughly after handling. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash 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 attention. Do not breathe fumes, mist, or spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical advice if you feel unwell.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Methylene Chloride	75-09-2	60-100%
Isopropyl Alcohol	67-63-0	3-7%
Acetone	67-64-1	7-13%
Ethyl Alcohol	64-17-5	1-5%

SECTION IV - FIRST AID MEASURES

EYES: Remove contact lenses. Flush with water for at least 15 minutes. Get immediate medical attention

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

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 develops.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Safety Data Sheet

Liquid Moliguard

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, and diarrhea

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, or central nervous system. May cause dizziness, headache, nausea, mental confusion, visual disturbances,

NOTE TO PHYSICIAN: Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, foam, or Carbon Dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA: Water spray/stream.

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This material may burn, but will not ignite readily.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, chlorine, hydrogen chloride and phosgene.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Contain spill and eliminate ignition sources and ventilate area. Prevent spill from entering sewers, storm drains, and natural waterways. use non-combustible material like vermiculite, sand or earth for larger spills.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations.

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

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area, keep containers tightly closed and dry. Keep out of reach of children and do not store near food, drink, or animal food.

OTHER PRECAUTIONS:

INCOMPATIBILITY: Strong oxidizers, strong caustics, plastics, rubber, nitric acid, water + heat, and chemically active metals such as aluminum and magnesium powder, sodium, potassium, and lithium. Avoid contact with open flames and electrical arcs. Liquid methylene chloride will attack some forms of plastics, rubber, and coatings.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Methylene Chloride	50 ppm	25 ppm
Isopropyl Alcohol	500 ppm	400 ppm
Acetone	1000 ppm	500 ppm
Ethyl Alcohol	1000 ppm	1000 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 and chemical resistant gloves

ADDITIONAL MEASURES: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black Liquid

ODOR: Chlorinated solvent odor

ODOR THRESHOLD: N/D

BOILING POINT: Unknown

FREEZING POINT: N/D

FLAMMABILITY: Not considered a flammable liquid by OSHA (29CFR 1910.1200)

FLASH POINT: N/D

Safety Data Sheet
Liquid Moliguard

AUTOIGNITION TEMPERATURE: N/D
LOWER FLAMMABILITY LIMIT: N/A
UPPER FLAMMABILITY LIMIT: N/A
VAPOR PRESSURE (mm Hg): 350 mm Hg @ 20°C
VAPOR DENSITY (AIR=1): 2.93
EVAPORATION RATE: >3 Fast
SPECIFIC GRAVITY (H2O=1): 1.20 @ 77° F (25°C)
pH: N/A
SOLUBILITY IN WATER: Immiscible
PARTITION COEFFICIENT: n-OCTANOL/WATER (Kow): N/D
VOLATILE ORGANIC COMPOUNDS (VOC): 8.87%
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: None Known
CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Elevated temperatures and excessive heat.
INCOMPATIBILITY: Strong oxidizers, strong caustics, plastics, rubber, nitric acid, water + heat, and chemically active metals such as aluminum and magnesium powder, sodium, potassium, and lithium. Avoid contact with open flames and electrical arcs. Liquid methylene chloride will attack some forms of plastics, rubber, and coatings.
HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of Carbon, Hydrogen Chloride gas, and Phosgene gas.
POSSIBLE HAZARDOUS REACTIONS: None Known

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Methylene Chloride (75-09-2): LD₅₀ (Oral, Rat) >2000 mg/kg. LD₅₀ (Dermal Rat) >2000 mg/kg. LC₅₀ (Inhalation, Rat) 52000 mg/m3.
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes irritation, burning, redness, tearing.
INGESTION: Causes gastrointestinal irritation, nausea, vomiting, unconsciousness.
INHALATION: Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects, and death.
SKIN: Causes localized defatting, irritation, may be absorbed through skin with systemic effects.
MEDICAL CONDITION AGGRAVATED: Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses.
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision
Skin: defatting and dermatitis
Inhalation: Irritation
Oral: abdominal irritation, nausea, vomiting, and diarrhea
CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, or central nervous system. May cause dizziness, headache, nausea, mental confusion, visual disturbances,
CARCINOGENICITY: OSHA: Yes ACGIH: A3 - Animal Carcinogen NTP: Suspected IARC: 2B - Possible OTHER: CA Prop 65

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Methylene Chloride (75-09-2) Fish: Bluegill/Sunfish: 230mg/L; 24H; StaticFish: Fathead Minnow: 196mg/L; 96H
BIODEGRADABILITY: Component or components of this product are not biodegradable.
BIOACCUMULATION: This product is not expected to bioaccumulate.
SOIL MOBILITY: This product is mobile in soil.
OTHER ECOLOGICAL HAZARDS: This material is toxic to aquatic life.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations.

Safety Data Sheet
Liquid Moliguard

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

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: For Containers 1.3 Gallons (5 liters) and smaller: Cleaning Compound N.O.S
For Containers Larger than 1.3 Gallons (5 liters): Dichloromethane Mixture

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN 1593

PACKAGING GROUP: III

AIR SHIPMENT

PROPER SHIPPING NAME: Dichloromethane Mixture

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN 1593

PACKAGING GROUP: III

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Dichloromethane Mixture

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN 1593

PACKAGING GROUP: III

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Methylene Chloride (75-09-2)

Reportable Quantity = 1,000 lbs

SARA 311/312 HAZARD CATEGORIES: Acute Health, Chronic Health.

SARA 313 REPORTABLE INGREDIENTS: Methylene Chloride - 75-09-2

STATE REGULATIONS: CA Prop 65: This product contains chemicals known to the state of California to cause cancer: **Methylene Chloride** (75-09-2) **RTK:** MA, NJ, PA

INTERNATIONAL REGULATIONS: All components are listed or exempted.

NFPA HEALTH: 2

HMIS HEALTH: 2

NFPA FLAMMABILITY: 1

HMIS FLAMMABILITY: 1

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Chioma Agbai

DATE PREPARED: 1/28/2014

REVISION DATE: 02/22/2017

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

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