

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Moli-Guard **PRODUCT USE:** Spray Lubricant
PRODUCT CODES: 5440/5449

MANUFACTURER: QuestVapco Corporation
ADDRESS: PO BOX 624
 Brenham, TX 77834

EMERGENCY PHONE: 1-800-231-0454
CHEM-TEL PHONE: 1-800-255-3924
OTHER CALLS: 1-800-231-0454

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>PEL</u>	<u>TLV</u>
Methylene Chloride	75-09-2	25 ppm	50 ppm
Propane/n-Butane	68476-86-8	1000 PPM	1000 PPM
Isopropyl Alcohol	67-63-0	400 PPM	200 PPM

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable aerosol under pressure do not expose to high temperatures or store in direct sunlight. Harmful if swallowed or inhaled. Absorbed through skin and tissue. Suspect cancer hazard. may cause cancer. Risk of cancer depends on level and duration of exposure.

ROUTES OF ENTRY: Skin, Eyes, Ingestion, Inhalation

POTENTIAL HEALTH EFFECTS

EYES: Strong Irritation likely, redness, and pain. May cause eye damage.

SKIN: Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact and absorbed through the skin.

INGESTION: Nausea, vomiting, headaches, absorption through gastrointestinal tract, abdominal pain, diarrhea, dizziness, pulmonary edems, central nervous system depression, unconsciousness or death.

INHALATION: Irritation to respiratory tract, dizziness, headache, nausea, vomiting, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects, and death.

ACUTE HEALTH HAZARDS: See above.

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to kidneys, liver, central nervous system, lungs, blood, or central nervous system.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, pancreas, blood, cardiovascular, central nervous system, and pulmonary illnesses.

CARCINOGENICITY: OSHA: Yes **ACGIH:** A3-Animal **NTP:** Anticipated-2 **IARC:** 2B-Possible **Other:** CA Prop65

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water for 15 minutes. Seek medical attention immediately. **SKIN:** Immediately wash with soap and water for 15 minutes. If irritation develops seek medical attention. **INGESTION:** Do not induce vomiting. Seek medical attention immediately. **INHALATION:** Move to fresh air. If not breathing administer artificial respiration, if breathing is difficult give oxygen. **NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** 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 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER: N/A LOWER: N/A

FLASH POINT: (METHOD USED: TCC) F: 1032.8 C: 556

AUTOIGNITION TEMPERATURE: F: 1032.8 C: 556

NFPA HAZARD CLASSIFICATION HEALTH: 2 **FLAMMABILITY:** 3 **REACTIVITY:** 1 **OTHER:**

HMIS HAZARD CLASSIFICATION HEALTH: 2 **FLAMMABILITY:** 3 **REACTIVITY:** 1 **PROTECTION:** B

EXTINGUISHING MEDIA: Dry chemical, foam, or CO2.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure exposure to high temperatures above 120F can cause bursting. Flame extension >18 inches. Flammable.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, hydrogen chloride gas, under forced combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use absorbent on spill sweep to clean. Small releases may be wiped up with wiping material. Material is heavier than air and can settle in low lying areas in flammable concentrations, ventilate area and wear protective clothing. Do not flush to sewer. Dispose in accordance with local, state and federal laws.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat or open flame. Exposure to temperatures above 120 F may cause bursting. Store in cool dry place. Follow all label instructions. Vapors may accumulate in low lying areas.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Material is flammable and heavier than air. Material may concentrate in low lying areas.

VENTILATION : Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred.

RESPIRATORY PROTECTION: Use only in well ventilated areas. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

EYE PROTECTION: Safety glasses are always recommended when using chemicals.

SKIN PROTECTION: Impervious gloves such as neoprene or solvex can be used.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long sleeve clothing to cover skin if desired.

WORK HYGIENIC PRACTICES: Wash hands after use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black/Grey

PHYSICAL STATE: Liquid

BOILING POINT: F: >100 C: 37.78

VAPOR PRESSURE (mmHg): >100 @ F: 77 C: 25

VAPOR DENSITY (AIR = 1): >2 @ F: 77 C: 25

SPECIFIC GRAVITY (H₂O = 1): 1.28 @ F: 77 C: 25

EVAPORATION RATE (Butyl Acetate =1): >1

PERCENT VOLATILE: 96% BY WT/ BY VOL @ F: 77 C: 25

ODOR: Strong chlorinated solvent odor

PERCENT SOLIDS BY WEIGHT: 4%

SOLUBILITY IN WATER: 1.3% @ F: 77 C: 25

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE X UNSTABLE

CONDITIONS TO AVOID (STABILITY): Temperatures above 120F, heat, flame, and sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Some plastics, rubbers, and coatings, strong oxidizing agents, acids, caustics, alkalis and chemically active metals.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon, Hydrogen Chloride.

HAZARDOUS POLYMERIZATION: None

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: METHYLENE CHLORIDE - 75-09-2 – Oral Rat LD50 1600 mg/kg; Inhalation Rat LC50 52 gm/m³

Reproductive Toxicity: METHYLENE CHLORIDE - 75-09-2 – Has been linked to spontaneous abortions in humans and is excreted in maternal milk..

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are more toxic.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations. Do not dump in sewers. Use sand or other non-combustible absorbent material to clean up spill and place in container for later disposal. Do not puncture, incinerate, or reuse container.

RCRA HAZARD CLASS: Waste solvent likely considered U080, hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: ORM-D

HAZARD CLASS: 2.2

PACKING GROUP:

ID NUMBER: UN1950

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Aerosols LTD QTY Class 2

ID NUMBER: 1950

HAZARD CLASS: 2.2

PACKING GROUP: N/A

AIR TRANSPORTATION

PROPER SHIPPING NAME: Aerosols LTD QTY Class 2

ID NUMBER: 1950

HAZARD CLASS: 2.2

PACKING GROUP: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All ingredients of this product are listed or are excluded from listing.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

METHYLENE CHLORIDE - 75-09-2

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): None

311/312 HAZARD CATEGORIES: METHYLENE CHLORIDE - 75-09-2; hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

313 REPORTABLE INGREDIENTS: METHYLENE CHLORIDE - 75-09-2

STATE REGULATIONS:

California Prop 65: This product contains the following ingredients for which the state of California has found to cause cancer, birth defects or other reproductive harm.: METHYLENE CHLORIDE - 75-09-2

Pennsylvania Right to Know: METHYLENE CHLORIDE - 75-09-2;

Massachusetts Right to Know: METHYLENE CHLORIDE - 75-09-2

INTERNATIONAL REGULATIONS:

WHMIS (Canada): Class D-1B material causing immediate and serious toxic effects (toxic). Class D-2A: Material causing other toxic effects (very toxic).

DSCL (EEC): R22 – Harmful if swallowed. R38-irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer.

SECTION 16: OTHER INFORMATION

PREPARED BY: Juanita Mercure

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