



SAFETY DATA SHEET

Product: MARC 167 PATROL DRY-MOLY LUBRICANT

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 167 PATROL DRY-MOLY LUBRICANT**

SDS DATE: 12/14/2022

SUPPLIER: Mid-American Research Chemical Corp.

ADDRESS: P. O. Box 927 • Columbus, NE 68602-0927

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RECOMMENDED USE: Lubricant.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 1; Liquefied Gas. **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): DANGER: Extremely Flammable Aerosol. Contains gas under pressure; May explode if heated. 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: Keep away from heat, sparks, open flames, and 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. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Wear protective gloves and eye protection. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. Avoid breathing mist, fumes, or spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. Dispose of contents and container in accordance with local, state, and national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NO.</u>	<u>%</u>
Methylene Chloride	75-09-2	60 - <100
Butane	106-97-8	10 - <20
Propane/n-Butane	68476-86-8	10 - 30
Isopropyl Alcohol	67-63-0	3 - 7

Exact percentage of composition has been withheld as a trade secret.

SECTION 4: 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. **Inhalation:** Irritation. **Oral:** Abdominal irritation, nausea, vomiting, and diarrhea. **CHRONIC HEALTH HAZARDS:** Possible cancer-causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system. **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 5: 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:** Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Flammable. **HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, chlorine, hydrogen chloride and phosgene.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment. **SPILL:** Contain spill, 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 contents in accordance with federal, state, and local 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 hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up. Pressurized container: Do not pierce or burn, even after use. **OTHER PRECAUTIONS:** Keep out of the reach of children. **INCOMPATIBILITY:** Some plastics and painted surfaces, pre-test before using.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Methylene Chloride	25 ppm	50 ppm
Propane/n-Butane	1000 ppm	1000 ppm
Isopropyl Alcohol	400 ppm	200 ppm

ENGINEERING CONTROLS / VENTILATION: General ventilation and local exhaust may be required to meet TLV requirements. **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 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black spray.
ODOR: Solvent.
ODOR THRESHOLD: Not available.
pH: Not applicable.
MELTING/FREEZING POINT: Not available.
INITIAL BOILING POINT/RANGE: 163°C estimated.
FLASH POINT/METHOD USED: 104.4°C estimated.
EVAPORATION RATE: >7.
FLAMMABILITY: Extremely flammable aerosol.
FLAMMABILITY EXPLOSIVE (%): Not available.
VAPOR PRESSURE (mmHg): 350 psig @ 70°F
VAPOR DENSITY (AIR = 1): 2.93.
RELATIVE DENSITY: 1.29 @ 77°F.
SOLUBILITY IN WATER: Immiscible.
AUTO-IGNITION TEMPERATURE: Not available.
DECOMPOSITION TEMPERATURE: Not available.
VISCOSITY: Not available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None Known. **CHEMICAL STABILITY:** Stable. **POSSIBLE HAZARDOUS REACTIONS:** None Known. **CONDITIONS TO AVOID:** Temperatures greater than 122°F and sources of ignition. **INCOMPATIBLE MATERIALS:** Some plastics and painted surfaces, pre-test before using. **HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, chlorine, hydrogen chloride and phosgene.

SECTION 11: 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:** Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis. **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



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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 kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system. **CARCINOGENICITY:** OSHA: Yes; ACGIH: A3 - Animal Carcinogen; NTP: Suspected; IARC: 2B – Possible. **OTHER:** CA Prop 65.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not Established. **PERSISTENCE AND DEGRADABILITY:** Component or components of this product are not biodegradable. **BIOACCUMULATIVE POTENTIAL:** This product is not expected to bioaccumulate. **MOBILITY IN SOIL:** This product is mobile in soil. **OTHER ADVERSE EFFECTS:** None known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of contents in accordance with federal, state, and local 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 hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZE(S):	Aerosol Can
PROPER SHIPPING NAME:	LUBRICATING OIL, GREASE OR PETROLEUM.
HAZARD CLASS:	N/A
ID NUMBER:	None
PACKING GROUP:	None
LABEL STATEMENT:	LTD QTY

SECTION 15: 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 pounds

SARA 311/312 HAZARD CATEGORIES: Acute Health, Chronic Health. **SARA 313 REPORTABLE INGREDIENTS:** Methylene Chloride - 75-09-2

STATE REGULATIONS: This product can expose you to chemicals including Dichloromethane, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov. Methylene Chloride (75-09-2) **RTK:** MA, NJ, PA.

INTERNATIONAL REGULATIONS: All components are listed or exempted.

VOLATILE ORGANIC COMPOUNDS (VOC): 24%.

This product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

6.31# Methylene Chloride per case.

SECTION 16: OTHER INFORMATION

HMS/NFPA Ratings: Health = 3, Flammability = 3, Reactivity = 1, Other = None, Protection = B.

N/A = Not Applicable, **N/D** = Not Determined, **N/E** = Not Established.

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