



SAFETY DATA SHEET

Product: MARC 147 TOUGH TAC CLEAR LUBE

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 147 TOUGH TAC CLEAR LUBE**

SDS DATE: 05/08/2023

SUPPLIER: Mid-American Research Chemical Corp.
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RECOMMENDED USE: Lubricant.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION-- Flammable Aerosol: Category 2 Compressed Gas Skin Irritant: Category 2 Eye Irritant: Category 2A Specific Target Organ Toxicity (Single Exposure): Category 3 Aspiration Hazard: Category 1



HAZARD STATEMENT(S): DANGER: Flammable Aerosol Contains gas under pressure; May explode if heated. May be fatal if swallowed and enters airways. Causes skin and serious eye irritation. May cause drowsiness or dizziness. May cause respiratory irritation. This product contains the following percentage of chemicals of unknown toxicity: 0.0%. **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 container to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. 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. Avoid breathing fumes, mist, vapors, and 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. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state, and national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENT</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
Acetone	67-64-1	10-30%
Methyl Acetate	79-20-9	10-30%
Heptane	142-82-5	5-15%
Isoparaffinic Hydrocarbon, Distillates (petroleum), hydrotreated light	64742-47-8	10-20%
Parachlorobenzotrifluoride	98-56-6	5-15%
Carbon Dioxide	124-38-9	1-5%

Exact percentages have been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: 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. **INGESTION**: If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. **INHALATION**: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. 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: Anesthetic, irritation, Central Nervous System depression. Oral: abdominal irritation, nausea, vomiting, diarrhea, aspiration risk. **CHRONIC HEALTH HAZARDS**: Skin disorders, drying and irritation of the skin. **NOTE TO PHYSICIAN**: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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**: Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. **HAZARDOUS COMBUSTION PRODUCTS**: Oxides of carbon.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment. **SPILL:** Use non-combustible material like vermiculite, sand or earth on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material. **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 is 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. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Store locked up. **OTHER PRECAUTIONS:** Keep out of the reach of children. **INCOMPATIBILITY:** None known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Acetone	750 ppm	500 ppm
Methyl Acetate	200 ppm	200 ppm
Heptane	500 ppm	400 ppm
Isoparaffinic Hydrocarbon, Distillates (petroleum), hydrotreated light	400 ppm	400 ppm
Parachlorobenzotrifluoride	Not Established	Not Established
Carbon Dioxide	5000 ppm	5000 ppm

ENGINEERING CONTROLS/VENTILATION: Normal, forced ventilation required. Local exhaust ventilation is generally preferred. **RESPIRATORY PROTECTION:** Not required with adequate ventilation. Wear NIOSH/MSHA approved organic vapor respiratory protection if listed exposure limits (section VIII) are exceeded. **PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves such as nitrile, neoprene, PVC or Viton. **ADDITIONAL MEASURES:** Wash hands thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Hazy, Tan Spray
ODOR: Solvent odor
ODOR THRESHOLD: N/D
pH: N/A
MELTING POINT/FREEZING POINT: N/D
INITIAL BOILING POINT AND BOILING RANGE: N/D
FLASH POINT: N/D
EVAPORATION RATE: Slow
FLAMMABILITY (solid/gas): Flammable aerosol
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:
 LOWER FLAMMABILITY LIMIT: N/A
 UPPER FLAMMABILITY LIMIT: N/A
EXPLOSIVE LIMIT LOWER (%): N/D
EXPLOSIVE LIMIT UPPER (%): N/D
VAPOR PRESSURE (mm Hg): 40 @ 77°C
VAPOR DENSITY (AIR=1): 4.5
RELATIVE DENSITY (H₂O=1): 0.79-0.81
SOLUBILITY IN WATER: 0.00%
PARTITION COEFFICIENT-- n-OCTANOL/WATER (KOW): N/D
VOC CONTENT: 12.7%

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: If exposed to strong oxidizers, presents explosion hazard. **CHEMICAL STABILITY:** Stable. **POSSIBLE HAZARDOUS REACTIONS:** None known. **CONDITIONS TO AVOID:** Temperatures greater than 122°F and sources of ignition. **INCOMPATIBLE MATERIALS:** None known. **HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.



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SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Heptane (142-82-5) LC50 (Inhalation, Rat): 103,000 mg/m³; Isoparaffinic Hydrocarbon (64742-47-8) LD50 (Oral, Rat) >5000 mg/kg; LD50 (Dermal, Rabbit) >2000 mg/kg.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin. **EYES:** Causes irritation, redness, tearing. **INGESTION:** May cause gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, dizziness. **INHALATION:** Causes dizziness, excessive or prolonged exposure may cause unconsciousness. **SKIN:** May cause irritation, localized defatting, dermatitis, with prolonged or repeated contact. **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:** Anesthetic, irritation, Central Nervous System depression. **Oral:** abdominal irritation, nausea, vomiting, diarrhea, aspiration risk. **CHRONIC HEALTH HAZARDS:** Skin disorders, drying and irritation of the skin. **CARCINOGENICITY:** OSHA: No; ACGIH: No; NTP: No; IARC: No. **OTHER:** CA Prop 65.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Isoparaffinic Hydrocarbon (64742-47-8) Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility. May adsorb to sediments and possibly cause toxic effects to organisms. **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 not mobile in soil. **OTHER ADVERSE EFFECTS:** This material is toxic to aquatic life.

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 is 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:	NONE
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):** None. **SARA 311/312 HAZARD CATEGORIES:** None. **SARA 313 REPORTABLE INGREDIENTS:** None. **STATE REGULATIONS:** Heptane (142-82-5) California Director's List of Hazardous Substances, Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, New Jersey RTK, Massachusetts RTK, Minnesota RTK, Pennsylvania RTK, Rhode Island RTK Isoparaffinic Hydrocarbons (64742-47-8) RTK - PA, NJ, RI. **INTERNATIONAL REGULATIONS:** All components are listed or exempted.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1; Flammability = 3; Reactivity = 0; Other = None; Protection = B.

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

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty expressed or implied regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty expressed or inferred regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.