



SAFETY DATA SHEET

Product: MARC 127 GRAPHITE LUBRICANT

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 127 GRAPHITE LUBRICANT**

SDS DATE: 07/02/2020

SUPPLIER: Mid-American Research Chemical Corp.
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EMERGENCY PHONE: InfoTrac 1-800-535-5053
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ADDRESS: P. O. Box 927 • Columbus, NE 68602-0927

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; Specific Target Organ Toxicity (Single Exposure): Category 3

HAZARD STATEMENT(S): DANGER - Extremely Flammable Aerosol. Contains gas under pressure: May explode if heated. Causes skin and serious eye irritation. May cause respiratory irritation, drowsiness or dizziness. 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. 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, vapor 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. Dispose of contents and container in accordance with local, state, and national regulations.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT.</u>
Acetone	67-61-1	30 – 60
Isopropyl Alcohol	67-63-0	5 – 15
Propane/n-Butane	68476-86-8	15 – 25

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: Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Drink large quantities (1 qt, 2-4 glasses) of water. Seek immediate medical attention.

INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

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.

CHRONIC HEALTH HAZARDS: May cause damage to the following organs: kidneys, liver, respiratory, reproductive and central nervous systems.

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, carbon dioxide, and alcohol foam. **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. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Flammable.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to Section 8 for proper Personal Protective Equipment.

SPILL: Clean up with rag or use some non-combustible material like vermiculite, sand or earth.

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

RCRA STATUS: Waste solvent likely considered U220 (Toluene), 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. **OTHER PRECAUTIONS:** Keep out of the reach of children.

INCOMPATIBILITY: Concentrated nitric & sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, plastics, rubber, coatings.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Acetone	1000 ppm	500 ppm
Isopropyl Alcohol	400 ppm	200 ppm
Propane/n-Butane5	1000 ppm	1000 ppm

ENGINEERING CONTROLS/VENTILATION: Normal, forced ventilation required. Local exhaust ventilation is generally preferred.

RESPIRATORY PROTECTION: Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded. **PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves.

ADDITIONAL MEASURES: Wash hands thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Black Liquid
ODOR:	Solvent
ODOR THRESHOLD:	Not Determined
pH:	Not Applicable
MELTING/FREEZING POINT:	Not Determined
BOILING POINT:	Not Determined
FLASH POINT/METHOD USED:	Not Determined
EVAPORATION RATE:	Not Determined
FLAMMABILITY:	Extremely Flammable Aerosol
FLAMMABILITY LIMITS:	Not available.
VAPOR PRESSURE (mmHg):	77.3 psig @ 77°F
VAPOR DENSITY (AIR = 1):	4.5
SPECIFIC GRAVITY (H₂O = 1):	0.83 @ 77°F
SOLUBILITY IN WATER:	Miscible
PARTITION COEFFICIENT, n-OCTANOL/WATER:	Not Available
AUTO-IGNITION TEMPERATURE:	Not Determined
DECOMPOSITION TEMPERATURE:	Not Determined
VISCOSITY:	Not Determined

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None known.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None Known.

CONDITIONS TO AVOID: None known

INCOMPATIBLE MATERIALS: Concentrated nitric & sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, plastics, rubber, coatings.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Acetone (67-64-1) LD50 (Oral, Rabbit) 5340 mg/kg; LD50 (Dermal, Rabbit) 20000 mg/kg.

ROUTES OF ENTRY: Ingestion, Inhalation, Skin.

EYES: Redness, irritation, causes temporary corneal opacity.

INGESTION: May cause nausea, diarrhea, vomiting, depending on the amount ingested.



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INHALATION: Causes dizziness, anesthesia, possibly death if breathed directly.

SKIN: Causes severe irritation, localized defatting.

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

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision. Skin: defatting and dermatitis

CHRONIC HEALTH HAZARDS: May cause damage to the following organs: kidneys, liver, respiratory, reproductive and central nervous systems. **CARCINOGENICITY:** OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Acetone (67-64-1) LC50 (Trout, 96hr) 5540 mg/L; LC50 (Bluegill, 96hr) 8300 mg/L; LC50 (Fathead Minnow, 96hr) 7500 mg/L **Isopropyl Alcohol** (67-63-0) LC50 (Fathead Minnow, 96 hrs) 9640 mg/L.

PERSISTENCE AND DEGRADABILITY: This product is biodegradable.

BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.

MOBILITY IN SOIL: This product is mobile in soil. **OTHER ADVERSE EFFECTS:** This material is toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

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

RCRA STATUS: Waste solvent likely considered U220 (Toluene), 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 SIZES(S): Aerosol Can

PROPER SHIPPING NAME: LUBRICATING OIL, GREASE OR PETROLEUM

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT: Limited Quantity

SECTION 15: 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 lbs.

SARA 311/312 HAZARD CATEGORIES: Acute Health, Fire, Pressure. **SARA 313 REPORTABLE INGREDIENTS:** None

CLEAN WATER ACT: None

STATE REGULATIONS: Acetone (67-64-1) Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, Illinois chemical safety act, New York release reporting list, **RTK** - RI, PA, FL, MN, MA, NJ; Massachusetts spill list, New Jersey spill list, Louisiana spill reporting, California List of Hazardous Substances (8 CCR 339): Acetone TSCA 8(b) inventory: Acetone TSCA 4(a) final test rules: Acetone TSCA 8(a) IUR: Acetone

INTERNATIONAL REGULATIONS: Acetone (67-64-1) Australia, China, Europe (EINECS), Japan, Korea, United Kingdom, Canada, WHMIS (Canada): CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC). p. 6; DSCL (EEC): R11- Highly flammable. R36- Irritating to eyes. S9- Keep container in a well-ventilated place. S16- Keep away from ignition sources. S26- In case of eye contact, rinse immediately with plenty of water and seek medical advice.

VOLATILE ORGANIC COMPOUNDS (VOC): 43%

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 2; Flammability = 3; Reactivity = 0; Other = None; Protection = B

REVISION DATE: 07/02/2020

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