



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: 06/11/15

SUPPLIER: Mid-American Research Chemical Corp.

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

PHONE: 402-564-7104 FAX: 402-563-1290

EMERGENCY PHONE: InfoTrac 1-800-535-5053

E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: A high temperature dry film lubricant for use on dies, drills, jigs and drills in storage for positive protection against corrosion and rust.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable. Irritant.



SIGNAL WORD AND PRECAUTIONARY STATEMENTS: DANGER: Extremely flammable gas. Highly flammable liquid and vapor. Contains gas under pressure; may explode if heated. Gas may reduce oxygen in confined spaces. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Rapid evaporation of the liquid may cause frostbite. Vapors are heavier than air and can cause suffocation by reducing available oxygen. May cause cardiac arrhythmia.

OTHER PRECAUTIONS: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Eliminate all ignition sources if safe to do so. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools, Take precautionary measures against static discharge. In case of a leaking gas fire: do not extinguish, unless leak can be stopped safely.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PEL/TLV, Source</u>	<u>% WT.</u>
Liquefied Petroleum Gas	68476-86-8	1000 ppm, OSHA	30%-40%
Toluene*	108-88-3	20 ppm, ACGIH	3%-7%
Graphite	7782-42-5	0.05 mg/m ³ , ACGIH	15%-25%

*NOTE: This chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

SKIN: Remove soaked clothing to avoid prolonged skin contact. Wash off with warm water and soap. Get medical attention if irritation develops and persists.

INHALATION: Move to fresh air. Artificial respiration if needed. Consult physician.

INGESTION: Call physician or poison control center immediately. Proper treatment is dependent on condition of patient and amount ingested.



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NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Chlorinated solvent. Do not administer adrenaline, epinephrine, or other stimulant following overexposure. Increased cardiac sensitivity and possible arrhythmia may result from overexposure.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Extremely flammable (Reference – Consumer Product Commission, flame projection est. for aerosol products, per 16 CFR 1500.45)

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA: Foam. Dry chemical. Carbon dioxide (CO₂).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid possible bursting of aerosol can. Do not store where temperature may exceed 120°F. Do not puncture or incinerate.

PROTECTIVE EQUIPMENT AND

PRECAUTIONS FOR FIREFIGHTERS: Avoid possible accumulations of vapors at floor level, as vapor is heavier than air. Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Ventilate area well. Avoid any sources of ignition for flammable liquid or vapor. Soak up on suitable absorbent material.

PROTECTIVE EQUIPMENT: See Section 8. If TLV is exceeded wear NIOSH-approved self-contained breathing device or respirator.

METHODS AND MATERIALS FOR CONTAINMENT: Same as Emergency Procedures.

METHODS FOR CLEANUP: Soak up on suitable absorbent material.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING & STORAGE:

Protect from sunlight. Do not store where temperature may exceed 120°F. Store away from fire, sparks or flame. Store in well-ventilated area.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!**

PRECAUTIONS FOR USAGE: Do not use near heat, fire, flame or sparks. Avoid excessive breathing of vapor. Do not spray in direction of body. Use only in accordance with directions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT

Liquefied Petroleum Gas
Toluene*
Graphite

CAS NO.

68476-86-8
108-88-3
7782-42-5

PEL/TLV, Source

1000 ppm, OSHA
20 ppm, ACGIH
0.05 mg/m³, ACGIH

*NOTE: This chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

ENGINEERING CONTROLS: Not generally needed.

VENTILATION:

Must be adequate to maintain vapors at less than 100 ppm, particularly at floor level as vapors are heavier than air. Use in a well ventilated area.



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RESPIRATORY PROTECTION: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If TLV is exceeded wear NIOSH-approved self-contained breathing device or respirator.

EYE PROTECTION: Safety glasses or chemical goggles are recommended.

SKIN PROTECTION/PROTECTIVE GLOVES: None needed for normal use. Solvent-resistant type may be used for prolonged exposure.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Always practice good housekeeping and hygienic measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE: Liquid.

COLOR: Grey.

ODOR: Characteristic hydrocarbon odor.

ODOR THRESHOLD: N/A

pH: Not Available

MELTING/FREEZING POINT: Not Available

BOILING POINT: Not Available

FLASH POINT/METHOD USED: Not Available

EVAPORATION RATE: Not Available

FLAMMABILITY (HOC): Extremely flammable.

FLAMMABILITY LIMITS: Not available.

VAPOR PRESSURE (mmHg): Approx. 45 psig @ 70F

VAPOR DENSITY (AIR = 1): Not available.

SPECIFIC GRAVITY (H₂O = 1): Not available.

SOLUBILITY IN WATER: Negligible.

PARTITION COEFFICIENT, n-OCTANOL/WATER: Not Available

AUTO-IGNITION TEMPERATURE: N/A

DECOMPOSITION TEMPERATURE: N/A

VISCOSITY: N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:

STABILITY: Stable

CONDITIONS TO AVOID: Contact with open flame, sparks, or heat which can cause thermal decomposition.

INCOMPATIBILITY (MATERIAL TO AVOID): None

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide may form on combustion.

HAZARDOUS POLYMERIZATION: Will not occur. **CONDITIONS TO AVOID (POLYMERIZATION):** NA



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SECTION 11: TOXICOLOGICAL INFORMATION

EYES: Severe irritation.

SKIN: Mild irritation upon prolonged contact. Defatting of skin.

INGESTION: Low to moderately toxic. Harmful or fatal if swallowed.

INHALATION: Irritant, central nervous system depressant. Repeated overexposure may damage liver & kidneys.

ACUTE HEALTH HAZARDS: N/A

Signs and Symptoms: N/A

CHRONIC HEALTH HAZARDS: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

CARCINOGENICITY: None of the components in this material is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

TOXICITY TO ANIMALS: N/A.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: Not Available.

DEGRADABILITY: Not Available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations. Do not puncture or incinerate. Avoid any contamination of groundwater.

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 Diamond

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

313 REPORTABLE INGREDIENTS:

Toluene* (CAS 108-88-3)

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SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 3
Reactivity = 0
Other = -
Protection = -

REVISION DATE: 06/11/15

DISCLAIMER: While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.