



SAFETY DATA SHEET

Product: **MARC 160 PENETRATING RED GREASE**

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 160 PENETRATING RED GREASE**

SDS DATE: 7/18/14

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: Penetrating liquid that forms into a grease that is resistant to high temperatures and pressure. Flushes away contaminated lubricant and flows into areas difficult to lubricate. Will not wash away.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Irritant (eye) (skin). Harmful or fatal if swallowed or inhaled.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: **WARNING/DANGER:**  Extremely flammable! Harmful by inhalation. Contents under pressure. Container may explode if heated.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

LIKELY ROUTES OF EXPOSURE: Skin contact, eye contact, inhalation, and ingestion.

CHRONIC EFFECTS: Prolonged or repeated contact may dry skin and cause irritation.

SIGNS & SYMPTOMS: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin. Vapours may cause drowsiness and dizziness.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma. Allergies.

TARGET ORGANS: Skin, eyes, gastrointestinal tract, respiratory system.

This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Propane/Butane/Isobutane Blend	68476-86-8	1000 ppm
Red Grease	Mixture	N/A
Hexane	110-54-3	50 ppm
Acetone	67-64-1	500 ppm
Aliphatic Petroleum Distillates	64742-96-7	200 mg/m ³

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of cool running water for at least 15 minutes while lifting upper and lower lids occasionally. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

SKIN: Immediately flush skin with soap and water for 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

INGESTION: If swallowed, **DO NOT INDUCE VOMITING!** Seek medical attention immediately.

NOTE: Never give anything by mouth to an unconscious or convulsing person. Keep person warm and quiet.



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INHALATION: Remove to fresh air. If irritation persists or if breathing is difficult give oxygen. Get medical attention.

GENERAL ADVICE: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water fog, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Keep upwind of fire. Containers may explode when heated. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure and if exposed to high temperatures (above 120°F), container may rupture or burst. Vapors from this product may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks or heaters at locations distant from point of product use.

HAZARDOUS DECOMPOSITION PRODUCTS: In fire, will decompose to carbon dioxide, carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS: Use personal protection recommended in Section 8. Isolate hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

METHODS AND MATERIALS FOR CONTAINMENT: Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). See Section 8 Exposure Controls/Personal Protection.

METHODS FOR CLEAN-UP: Use absorbent sweeping compound to soak up material. Put into container. Dispose of as hazardous waste.

ENVIRONMENTAL PRECAUTIONS: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

OTHER INFORMATION : Not available.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator. Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking, or smoking.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE! KEEP AWAY FROM HEAT, SPARKS, OR OPEN FLAME. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY!**

STORAGE: Keep container in well-ventilated place. Do not store at temperatures above 49°C/120°F. Keep away from food, drink and animal feedingstuffs.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Propane/Butane/Isobutane Blend	68476-86-8	1000 ppm
Red Grease	Mixture	N/A
Hexane	110-54-3	50 ppm
Acetone	67-64-1	500 ppm
Aliphatic Petroleum Distillates	64742-96-7	200 mg/m ³

ENGINEERING CONTROLS: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

MECHANICAL: N/A

OTHER: No Smoking or Open Flames

VENTILATION: Vapor harmful. Provide local exhaust to keep TLV Section 3 ingredients below acceptable limit.

RESPIRATORY PROTECTION: Wear self-contained breathing apparatus if above TLV limit.

HMIS: See Section 16.

EYE PROTECTION: As with all cleaners, MARC supports employee safety as priority #1. Therefore, we recommend use of safety glasses or chemical splash goggles.

SKIN PROTECTION/PROTECTIVE GLOVES: None required if spraying.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long sleeves and long pants.

WORK HYGIENIC PRACTICES: Handle according to established industrial hygiene and safety practices. Don't eat, drink or smoke in work area. Wash hands before eating, drinking or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Red Gel
COLOR:	Red
PHYSICAL STATE:	Course spray.
ODOR:	Solvent
pH:	N/A
SOLUBILITY IN WATER:	Nil
SPECIFIC GRAVITY: (H₂O = 1)	0.75 + 0.05
MELTING/FREEZING POINT:	Not available.
BOILING POINT:	<0 to 601°F
FLASH POINT(METHOD USED:TCC)	0°F
EVAPORATION RATE:	Slower than ether.
FLAMMABILITY:	Extremely Flammable Spray.
FLAMMABILITY LIMITS:	LEL: 1.0 UEL: 9.5
VAPOR PRESSURE (mmHg):	N/A
VAPOR DENSITY:	Heavier than air.
PARTITION COEFFICIENT, n-OCTANOL/WATER:	Not available.
AUTO-IGNITION TEMPERATURE:	Not available.
DECOMPOSITION TEMPERATURE:	Not available.
VISCOSITY:	Not available.



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SECTION 10: STABILITY AND REACTIVITY

CONDITIONS OF REACTIVITY: Heat.

STABILITY: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

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

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: In fire, will decompose to carbon dioxide, carbon monoxide.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reaction known under conditions of normal use.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None known.

SECTION 11: TOXICOLOGICAL INFORMATION

EYES: Eye irritant. Will cause redness and burning sensation.

SKIN: Skin irritant. Will cause defatting of skin. Effects are reversible.

INGESTION: Aspiration hazard if swallowed.

INHALATION: Effects of over exposure include irritation of respiratory tract, headache, dizziness, nausea, and loss of coordination. Extreme overexposure may result in unconsciousness and possibly death.

NOTE: Prolonged and repeated overexposure to hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. Repeated and prolonged exposure to solvents can cause permanent brain and nervous system damage.

SECTION 12: ECOLOGICAL INFORMATION

N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INSTRUCTIONS: This material must be disposed of in accordance with local, state and Federal regulations. Dispose as hazardous waste in accordance with EPA RCRA.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Aerosol Can 11 Oz.)

PROPER SHIPPING NAME: LUBRICATING OIL, GREASE OR PETROLEUM.

HAZARD CLASS: None

ID NUMBER: None

PACKING GROUP: N/A

LABEL STATEMENT: LTD, QTY SYMBOL



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SECTION 15: REGULATORY INFORMATION

SARA Title III, Section 313 Components:

Hexane 110-54-3

This product contains chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 7/18/14

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.