



# 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: 10/22/2020

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: marc1@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Grease.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Specific Target Organ Toxicity - Repeated Exposure - Category 2; Aspiration Hazard - Category 1; Skin Irritation - Category 2; Aerosols - Category 1; Eye Irritation - Category 2; Reproductive Toxicity - Category 2; Acute aquatic toxicity - Category 2; Gases Under Pressure – Liquefied Gas.



**SIGNAL WORD AND PRECAUTIONARY STATEMENTS: DANGER.** Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Hazardous Statements - May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause cancer. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. Precautionary Statements – General: If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Precautionary Statements – Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, and face protection. Wash hands thoroughly after handling. Do not breathe the mist, vapors or spray. Precautionary Statements – Response: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 - Do NOT induce vomiting. 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. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Precautionary Statements – Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F. Store locked up. Store in a well-ventilated place. Precautionary Statements – Disposal: Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>
Hexane	110-54-3	5% - 11%
Petroleum Gases, Liquefied, Sweetened	68476-86-8	27% - 44%
Acetone	67-64-1	4% - 8%
Petrolatum	8009-03-8	22% - 36%
Heavy Aromatic Naphtha	64742-96-7	5% - 11%
Xylene	1330-20-7	Trace
Ethylbenzene	100-41-4	Trace
Silicone	63148-62-9	0.1% - 2%

Specific percentages may be claimed as a trade secret.

## SECTION 4: FIRST AID MEASURES

**EYES:** Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention immediately. **SKIN:** Immediately take off all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash skin with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. Call a POISON CONTROL CENTER/doctor if irritation develops and persists or if you feel unwell. Store contaminated clothing under water and wash before reuse or discard. **INGESTION:** If swallowed, rinse mouth. **DO NOT INDUCE VOMITING!** Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position. Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet. **INHALATION:** Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: call a POISON CENTER/doctor. **ACUTE HEALTH HAZARD:** N/A. **CHRONIC HEALTH HAZARDS:** N/A. **NOTES TO PHYSICIAN:** N/A.



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## SECTION 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use water, fog, dry chemical, or carbon dioxide. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

**UNSUITABLE EXTINGUISHING MEDIA:** Water may be ineffective but can be used to cool containers exposed to heat or flame.

**SPECIAL FIRE FIGHTING PROCEDURES/EQUIPMENT:** Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear. Care should always be exercised in dust/mist areas. Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. (See Section 13 DISPOSAL CONSIDERATIONS).

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Keep away from ignition sources and open flame. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Aerosol cans may rupture when heated. Heated cans may burst. **HAZARDOUS DECOMPOSITION PRODUCTS:** In fire, will decompose to carbon dioxide, carbon monoxide.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES:** Flammable/combustible material. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stay upwind; keep out of low areas. Immediately turn off or isolate any source of ignition. Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately. Use absorbent sweeping compound to soak up material and put into suitable container for proper disposal.

**PERSONAL PRECAUTIONS/PROTECTIVE EQUIPMENT:** Use personal protection recommended in Section 8. Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

**METHODS AND MATERIALS FOR CONTAINMENT:** Same as Emergency Procedures.

**ENVIRONMENTAL PRECAUTIONS:** Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

## SECTION 7: HANDLING AND STORAGE

**General:** Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally. **Ventilation Requirements:** Use in a well-ventilated place. **Storage Room Requirements:** Store and use in a cool, dry, well-ventilated area. Do not store above 120°F. See product label for additional information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye Protection:** Wear safety glasses with side shields. Eyewash stations and showers should be available in areas where this material is used and stored. **Skin Protection:** Use solvent-resistant protective gloves for prolonged or repeated contact. **Respiratory Protection:** Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved airline respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits. **Appropriate Engineering Controls:** Ventilation should be sufficient to prevent inhalation of any vapors.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables Z 1,2,3	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
ACETONE	1000	2400			1			250	590			
HEXANE	500	1800			1			50	180			
PETROLEUM GASES	500	2000			1							

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)
ACETONE	500	1188	750	1782
HEXANE	50	176		

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**DENSITY:** 5.73 lbs./gal  
**DENSITY VOC:** 2.69 lbs./gal  
**%VOC:** 47  
**APPEARANCE:** Red Gel Grease  
**COLOR/FRAGRANCE:** Red, Solvent.  
**PHYSICAL STATE:** Sprays as thin, penetrating liquid-becomes thick red grease.  
**ODOR THRESHOLD:** N/A  
**ODOR DESCRIPTION:** N/A



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pH:	N/A
SOLUBILITY IN WATER:	Nil
SPECIFIC GRAVITY: (H <sub>2</sub> O = 1)	0.75
MELTING/FREEZING POINT:	N/A
HIGH BOILING POINT:	601°F
LOW BOILING POINT:	0°F
FLASH POINT (METHOD USED: TCC)	51°F. T.O.C.
FLAMMABILITY:	Flashpoint below 73°F
LOWER EXPLOSION LEVEL:	1
UPPER EXPLOSION LEVEL:	9.5
EVAPORATION RATE:	Slower than ether.
VAPOR PRESSURE (mmHg):	N/A
VAPOR DENSITY:	Slower than ether.
PARTITION COEFFICIENT, n-OCTANOL/WATER:	N/A
AUTO-IGNITION TEMPERATURE:	N/A
DECOMPOSITION TEMPERATURE:	0
VISCOSITY:	N/A

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage and handling conditions. **Conditions to Avoid:** Avoid heat, spark, flame, direct sunlight and incompatible materials. Dropping containers may cause bursting. **Incompatible Materials:** Avoid strong oxidizers, reducers, acids, and alkalis. **Hazardous Reactions/Polymerization:** Will not occur. **Hazardous Decomposition Products:** No data available.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Skin Corrosion/Irritation:** Causes skin irritation. **Serious Eye Damage/Irritation:** Causes serious eye irritation. **Carcinogenicity:** May cause cancer. **Germ Cell Mutagenicity:** No data available. **Reproductive Toxicity:** Suspected of damaging fertility. **Respiratory/Skin Sensitization:** No data available. **Specific Target Organ Toxicity - Single Exposure:** No data available. **Specific Target Organ Toxicity - Repeated Exposure:** May cause damage to organs through prolonged or repeated exposure. **Aspiration Hazard:** May be fatal if swallowed and enters airways. **Acute Toxicity:** No data available. **Likely Routes of Exposure:** Inhalation, Ingestion, Skin contact, Eye contact.

### Potential Health Effects - Miscellaneous

#### 0000067-64-1 ACETONE

The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin.

#### 0000100-41-4 ETHYLBENZENE

Is an IARC, NTP or OSHA carcinogen. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects. WARNING: This chemical is known to the State of California to cause cancer.

#### 0001330-20-7 XYLENE

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: bone marrow, cardiovascular system, central nervous system, kidneys, liver, lungs. Recurrent overexposure may result in liver and kidney injury. High exposures may produce irregular heartbeats. Canada classifies Xylene as a developmental toxin as high exposures to xylenes in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known. Repeated or prolonged skin contact may cause any of the following: irritation, dryness, cracking of the skin.

### Chronic Exposure

#### 0000100-41-4 ETHYLBENZENE

CARCINOGENIC EFFECTS: Ethyl Benzene has been listed by IARC as Group 2B, Possibly Carcinogenic to Humans.

TERATOGENIC EFFECTS: Ethyl Benzene has been Classified as POSSIBLE for humans.

#### 0000067-64-1 ACETONE

LC50 (male rat): 30000 ppm (4-hour exposure); cited as 71000 mg/m<sup>3</sup> (4-hour exposure) (29)

LC50 (male mouse): 18600 ppm (4-hour exposure); cited as 44000 mg/m<sup>3</sup> (4-hour exposure) (29)

LD50 (oral, female rat): 5800 mg/kg (24)

LD50 (oral, mature rat): 6700 mg/kg (cited as 8.5 mL/kg) (31)

LD50 (oral, newborn rat): 1750 mg/kg (cited as 2.2 mL/kg) (31)

LD50 (oral, mouse): 3000 mg/kg (32,unconfirmed)

LD50 (dermal, rabbit): Greater than 16000 mg/kg cited as 20 mL/kg (30)



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0000110-54-3 HEXANE

LC50 (male rat): 38500 ppm (4-hour exposure); cited as 77000 ppm (271040 mg/m3) (1-hour exposure) (15)

LC50 (rat): 48000 ppm (4-hour exposure) (16)

LC50 (rat): 73680 ppm (260480 mg/m3) (4-hour exposure) (n-hexane and isomers) (1,3)

LD50 (oral, 14-day old rat): 15840 mg/kg (3)

LD50 (oral, young rat): 32340 mg/kg (3)

LD50 (oral, adult rat): 28700 mg/kg (3,16)

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** Harmful to aquatic life with long lasting effects. **Persistence and Degradability:** No data available. **Bio-Accumulative Potential:** No data available. **Mobility in Soil:** No data available. **Other Adverse Effects:** No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL INSTRUCTIONS:** Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14: TRANSPORT INFORMATION

<b>CONTAINER SIZE(S):</b>	Aerosol Can
<b>PROPER SHIPPING NAME:</b>	DEODORANT
<b>HAZARD CLASS:</b>	N/A
<b>ID NUMBER:</b>	N/A
<b>PACKING GROUP:</b>	N/A
<b>LABEL STATEMENT:</b>	LIMITED QUANTITY

## SECTION 15: REGULATORY INFORMATION

CHEMICAL NAME	REGULATION LIST
ACETONE	CERCLA, SARA 312, TSCA, RCRA, ACGIH, OSHA
HEXANE	CERCLA, HAPS, SARA 312, VOC, TSCA, ACGIH, OSHA
SILICONE	SARA 312, TSCA
PETROLEUM GASES	SARA 312, VOC, TSCA, OSHA

### FEDERAL REGULATIONS--

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** See above. **CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** See above. **SARA 311/312 HAZARD CATEGORIES:** See above. **SARA 313 REPORTABLE INGREDIENTS:** None. **STATE REGULATIONS:** None.

## SECTION 16: OTHER INFORMATION

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

**DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever 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 that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.