



SAFETY DATA SHEET

Product: MARC 190 THERMO-GUARD GREASE (RED)

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 190 THERMO-GUARD GREASE (RED)

SDS DATE: 08/16/16

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: Grease.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE	Gel
COLOR	Red
ODOR	Oily

GHS CLASSIFICATION: Not a hazardous substance or mixture.

GHS LABEL ELEMENT: Not a hazardous substance or mixture.

POTENTIAL HEALTH EFFECTS:

CARCINOGENICITY:

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: KEEP OUR OF REACH OF CHILDREN!!

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: Mixture

Specific percentages may be claimed as a trade secret.

CHEMICAL NAME	CAS NO.	CONCENTRATION [%]
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>=70 % - <90%
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>=0.1 % - <1%



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SECTION 4: FIRST AID MEASURES

- GENERAL ADVICE:** Do not leave the victim unattended.
- EYES:** Immediately flush eyes with water as a precaution. Keep eye wide open while rinsing. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
- SKIN:** Immediately flush skin with soap and plenty of water. Take off contaminated clothing and shoes immediately. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
- INGESTION:** Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist call a physician.
- INHALATION:** Remove person to fresh air. If unconscious place in recovery position and seek medical advice. If signs/symptoms persist, seek medical attention.
- NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/A

SECTION 5: FIRE FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA:** Dry chemical.
- SPECIFIC EXTINGUISHING METHODS:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- SPECIAL FIRE FIGHTING EQUIPMENT FOR FIREFIGHTERS:** Firefighters should wear self-contained breathing apparatus for firefighting if necessary.
- UNUSUAL FIRE AND SPECIFIC HAZARDS:** N/A
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide (CO₂), Carbon Monoxide, Smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- EMERGENCY PROCEDURES:** Refer to protective measures listed in Section 7 and Section 8.
- PROTECTIVE EQUIPMENT:** Firefighters should wear self-contained breathing apparatus for firefighting if necessary. Use personal protective devices as stated in Section 8.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.
- ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage or spillage if safe to do so. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7: HANDLING AND STORAGE

- ADVICE ON SAFE HANDLING:** Smoking, eating and drinking should be prohibited in the application area. For personal protection see Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION.
- OTHER PRECAUTIONS:** **KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!**
- SAFE STORAGE:** Electrical installations/ working materials must comply with the technological safety standards.
- MATERIALS TO AVOID:** Oxidizing agents.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENTS	CAS – NO.	VALUE TYPE (FORM OF EXPOSURE)	CONTROL PARAMETERS / PERMISSIBLE CONCENTRATION	BASIS
		TWA (total Dust)	30 mg/m ³ / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	10 mg/m ³ / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA Z-3
		TWA (respirable dust)	0.05 mg/m ³	NIOSH REL

Contains no substances with occupational exposure limit values.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required.

EYE PROTECTION: Safety glasses.

PROTECTIVE GLOVES: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

SKIN PROTECTIVE CLOTHING OR EQUIPMENT: Protective suit.

WORK HYGIENIC PRACTICES: General industrial hygiene practice. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE: Gel

COLOR: Red

ODOR: Oily

ODOR THRESHOLD: No Data Available

pH: Not Applicable.

BOILING POINT / RANGE: Not Applicable.

FLASH POINT: Not Applicable.

EVAPORATION RATE: No Data Available

UPPER EXPLOSION LIMIT: Not Applicable.

LOWER EXPLOSION LIMIT: Not Applicable.

VAPOR PRESSURE (mmHg):

RELATIVE VAPOR DENSITY: No Data Available

DENSITY: 0.988 g/cm³

SOLUBILITY IN WATER: Insoluble

PARTITION COEFFICIENT: No Data Available

N-OCTANOL/WATER:

AUTO-IGNITION TEMPERATURE: Not determined

THERMAL DECOMPOSITION: No Data Available

VISCOSITY:

VISCOSITY, KINEMATIC: > 10,000 mm²/s (40°C)



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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable.

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Stable under recommended storage conditions.

CONDITIONS TO AVOID: No data available.

INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

HAZARDOUS POLYMERIZATION: NA **CONDITIONS TO AVOID (POLYMERIZATION):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: No data available.

SERIOUS EYE DAMAGE/IRRITATION: No data available.

SKIN CORROSION/IRRITATION: No data available.

RESPIRATORY/SKIN SENSITIZATION: No data available.

GERM CELL MUTAGENICITY: No data available.

CARCINOGENICITY:

PRODUCT

CARCINOGENICITY - ASSESSMENT Not classifiable as a human carcinogen.

REPRODUCTIVE TOXICITY: No data available.

Distillates (petroleum), Hydrotreated light naphthenic:
Distillates (petroleum), solvent-refined heavy paraffinic:

STOT – SINGLE EXPOSURE: No data available.

STOT – REPEATED EXPOSURE: No data available.

ASPIRATION TOXICITY: No data available.

FURTHER INFORMATION:

PRODUCT

Remarks: No data available.



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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

PERSISTENCE AND DEGRADABILITY: No data available

BIOACCUMULATIVE POTENTIAL:

PRODUCT

PARTITION COEFFICIENT: Remarks: No data available.

N-OCTANOL/WATER: -

COMPONENTS:

Distillates (petroleum), solvent-refined heavy paraffinic:

PARTITION COEFFICIENT:

N-OCTANOL/WATER: LOG Pow: 5

MOBILITY IN SOIL: No data available.

OTHER ADVERSE EFFECTS: No data available.

PRODUCT

REGULATION: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class I Substances

REMARKS: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

ADDITIONAL ECOLOGICAL INFORMATION: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

WASTE FROM RESIDUES: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

CONTAMINATED PACKAGING: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): BULK, SPECIAL, TUBES

PROPER SHIPPING NAME: LUBRICATING OIL, GREASE

HAZARD CLASS: NONE

ID NUMBER: NONE

PACKING GROUP: NONE

LABEL STATEMENT: NONE



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SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

EPCRA: EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT.

CERCLA REPORTABLE QUANTITY: This material does not contain any components with a CERCLA RQ.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY: This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 HAZARD CATEGORIES: No SARA Hazards

SARA 302: No chemicals in this material are subject to the reporting requirements of SRA TITLE III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA TITLE III, Section 313.

CALIFORNIA PROP 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 08/16/16

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