



SAFETY DATA SHEET

Product: MARC 74-DFC DIESEL FUEL CONDITIONER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 74-DFC DIESEL FUEL CONDITIONER**

SDS DATE: 12/28/2018

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 Columbus, NE 68602-0927
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RECOMMENDED USE: Diesel Fuel Conditioner.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: FLAMMABLE LIQUIDS - Category 3, SKIN IRRITATION - Category 2, SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3, ASPIRATION HAZARD - Category 1



SIGNAL WORD AND HAZARD AND PRECAUTIONARY STATEMENTS - DANGER: Danger

Hazard statements Flammable liquid and vapor. Causes skin irritation. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness. **Prevention** Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Do not breathe vapor. Wear protective gloves and eye protection. Avoid release to the environment. **IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs, seek medical advice/attention. **Storage** Store locked up. Store in a well-ventilated place. Keep cool. **Disposal** Dispose of contents and container in accordance with all local, regional, national and international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>WT. %</u>
Petroleum Distillate	8008-20-6	60 – 80%
Light aromatic solvent naphtha	64742-95-6	5 – 12%
1,2,4-Trimethylbenzene	95-63-6	2 – 4%
2-ethylhexyl nitrate	27247-96-7	4 – 6%

A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for several minutes. If effects occur, consult a physician.

SKIN (or hair): Wash off with soap and plenty of water. Take off immediately all contaminated clothing and wash before reuse. Get medical attention if needed or if you feel unwell.

INGESTION: Immediately call a Poison Center or doctor and show this container or label. Rinse mouth with water. **DO NOT INDUCE VOMITING!**

INHALATION: If symptoms develop, move person to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

MOST IMPORTANT SYMPTOMS/ EFFECTS, ACUTE & DELAYED: May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Causes skin irritation. Suspected of causing cancer.

NOTE TO PHYSICIAN: Activated charcoal may be administered.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use dry powder, foam or carbon dioxide fire extinguishers. Water may be ineffective unless used by experienced fire fighters.

SPECIAL FIRE FIGHTING PROCEDURES



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Form R04132

FIRE-FIGHTING EQUIPMENT: In case of fire and /or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid and vapor. May accumulate electrostatic charge and ignite and explode.

HAZARDOUS DECOMPOSITION PRODUCTS: May burn or react violently to fluorine/oxygen mixtures.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES/ Keep unnecessary personnel away. Eliminate all ignition sources (heat, sparks, flame and electricity). Wear appropriate personal protective equipment and clothing during clean-up. Do not breathe mist or vapor

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Contain spilled material. Collect in suitable and properly labeled containers. Pick up excess with inert absorbent material. Keep away from drains and ground water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Handle with care and avoid spillage on the floor (slippage). Keep away from sources of ignition. Ground and bond containers when transferring material. Avoid contact with eyes, skin, or clothing.

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

STORAGE: Store locked up in a cool, well-ventilated place in tightly closed original container. Keep away from sources of ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS VENTILATION: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

EYE/FACE PROTECTION: Use safety glasses.

SKIN PROTECTION/PROTECTIVE GLOVES: Gloves are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear suitable protective clothing.

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

EXPOSURE GUIDELINES:
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROM.
OSHA TWA: 500ppm

1,2,4-TRIMETHYLBENZENE
ACGIH TWA: 25ppm

PETROLEUM DISTILLATE
TWA: 200 ppm

2-ETHYLHEXYL NITRATE
TWA: 1 ppm

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:
PHYSICAL STATE: Liquid.
COLOR: Amber
ODOR: N/A
ODOR THRESHOLD: N/A



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pH:	N/A
MELTING/FREEZING POINT:	N/A
INITIAL BOILING POINT/RANGE:	N/A
FLASH POINT/METHOD USED:	120°F (48.9°C) TCC
EVAPORATION RATE:	N/A
FLAMMABILITY (solid, gas):	N/A
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS :	
Explosive limit - lower:	N/A
Explosive limit - upper:	N/A
VAPOR PRESSURE (mmHg):	N/A
VAPOR DENSITY (AIR = 1):	N/A
RELATIVE DENSITY:	0.89
SPECIFIC GRAVITY (H ₂ O = 1):	0.82
SOLUBILITY IN WATER:	Nil in water
PARTITION COEFFICIENT, n-OCTANOL/WATER:	N/A
AUTO-IGNITION TEMPERATURE:	N/A
DECOMPOSITION TEMPERATURE:	N/A
VISCOSITY:	N/A
WT. PER GALLON:	6.85 pounds per gallon at 60°F

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: The product is stable and non-reactive under normal conditions of use.

CHEMICAL STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: High temperatures and open flame.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: May burn or react violently to fluorine/oxygen mixtures.

HAZARDOUS POLYMERIZATION: N/A **CONDITIONS TO AVOID (POLYMERIZATION):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

Repeated skin contact with this product may cause dermatitis or an oil acne.

EYES: Solvent Petroleum Naphtha, slightly irritating (rabbit).

SKIN: Solvent Petroleum Naphtha, no deaths reported at 4 ml/kg (Rat). Slightly irritating (rabbit, 4 hour(s)).

INGESTION: ACUTE ORAL EFFECTS: Solvent Petroleum Naphtha, LD50, 10 ml/kg in rats;
Petroleum Distillates, LD50, 15 ml/kg, in rats.

INHALATION: ACUTE INHALATION EFFECTS: Solvent Petroleum Naphtha, no deaths at 710 ppm (v) (Rat) 4 hour(s).

SECTION 12: ECOLOGICAL INFORMATION

Avoid exposing to the environment.

PETROLEUM DISTILLATES: Acute EC50 – 1.4 mg/l (Daphnia) – 48 hours

2-ETHYLHEXYL NITRATE: LC50 – 2 mg/l (Zebra Fish) – 4 days
EC50 > 12.6 mg/l (Daphnia) – 2 days

Persistence and degradability: N/A
Bioaccumulative potential: N/A



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not flush to surface water or drains.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): ALL
PROPER SHIPPING NAME: LUBRICATING OIL, GREASE OR PETROLEUM
HAZARD CLASS: N/A
ID NUMBER: NONE
PACKING GROUP: NONE
LABEL STATEMENT: NONE

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: All components are on the U.S. EPA TSCA Inventory List.

TSCA (TOXIC SUBSTANCE CONTROL ACT): This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act (TSCA).

CERCLA Hazardous Substance List (40 CFR 302.4): N/A

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

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: N/A

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 2
Reactivity = 0
Other = -
Protection = -

REVISION DATE: 12/28/2018

N/A = Not Applicable, N/D = Not Determined, N/E = Not Established

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.