



# SAFETY DATA SHEET

Product: MARC 121 STRIKE FORCE FOAM CLEANER  
Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 121 STRIKE FORCE FOAM CLEANER

SDS DATE: 07/27/16

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 Columbus, NE 68602-0927  
PHONE: 402-564-7104 FAX: 403-563-1290  
EMERGENCY PHONE: InfoTrac 1-800-535-5053  
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Degreaser.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

### CLASSIFICATION:

Flammable Aerosol: Category 1  
Liquefied Gas  
Eye Irritant: Category 2A

**SIGNAL WORD AND PRECAUTIONARY STATEMENTS:** **DANGER:** Extremely Flammable Aerosol. Contains gas under pressure; May explode if heated. Causes eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%



**PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and hot surfaces. No Smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear eye protection. 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.

**POTENTIAL HEALTH EFFECTS:** See Section 11 for more information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT.</u>
1, 8-p-Menthadiene	5989-27-5	1% - 5%
Propane/N-Butane	68476-86-8	3% - 7%
Diethylene Glycol n-Butyl Ether	112-34-5	7% - 13%
Isoparaffinic Hydrocarbon	64742-47-8	1% - 5%

Specific percentages may be claimed as a trade secret.

## SECTION 4: FIRST AID MEASURES

**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 immediately.

**SKIN:** Wash skin thoroughly with soap and water.. Seek medical attention if irritation develops.

**INGESTION:** Rinse mouth. **DO NOT INDUCE VOMITING** unless directed to do so by medical authority. Seek medical attention immediately.

**INHALATION:** Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing, qualified personnel should administer artificial respiration. Seek medical attention if irritation persists.



# SAFETY DATA SHEET

**Product:** MARC 121 STRIKE FORCE FOAM CLEANER  
Form R04132

**ACUTE HEALTH HAZARDS: EYES:** redness, tearing, blurred vision.

**CHRONIC HEALTH HAZARDS:** May be toxic to kidneys and liver.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

## SECTION 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical, foam or carbon dioxide (CO<sub>2</sub>).

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear SCBA in fire situations. Use water spray to cool containers exposed to fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLAMMABLE. Contents under pressure. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES: SPILL:** absorb spill with non-combustible material such as vermiculite, sand or earth.

**PROTECTIVE EQUIPMENT:** Refer to Section 8 Exposure Controls/Personal Protection for proper personal protective equipment. .

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

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not puncture container. Wrap container and place in trash collection.

**RCRA STATUS:** Waste likely considered non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION 7: HANDLING AND STORAGE

**GENERAL HANDLING/STORAGE:** Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container; Do not pierce or burn, even after use.

**OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN! Follow label directions exactly.**

**INCOMPATIBILITY:** Strong oxidizing agents, strong reducing agents, acids.



# SAFETY DATA SHEET

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Form R04132

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
1, 8-p-Methadiene	Not Established	Not Established
Propane/N-Butane	1000ppm	1000ppm
Diethylene Glycol n-Butyl Ether	Not Established	25 ppm
Isoparaffinic Hydrocarbon	5 mg/m3	5 mg/m3

**ENGINEERING CONTROLS/VENTILATION:** Use only in well ventilated areas. Local ventilation/exhaust preferred.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.

**EYE PROTECTION:** Safety glasses are recommended.

**SKIN PROTECTION/PROTECTIVE GLOVES:** Chemical resistant gloves are recommended.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N/A

**WORK HYGIENIC PRACTICES:** Wash hands thoroughly after handling. 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-

PHYSICAL STATE:	Foam
COLOR:	White
ODOR:	Citrus scent.
ODOR THRESHOLD:	1 ppm
BOILING POINT:	>212°F (100°C)
FREEZING POINT:	N/D
FLAMMABILITY (solid, gas):	Extremely Flammable Aerosol
FLASH POINT/METHOD USED:	N/D
AUTO-IGNITION TEMPERATURE:	N/D
LOWER FLAMMABILITY LIMITS:	N/D
UPPER FLAMMABILITY LIMITS:	N/A
VAPOR PRESSURE (mmHg):	N/A
VAPOR DENSITY (AIR = 1):	>1 @ 77°F (25°C)
EVAPORATION RATE:	<1
SPECIFIC GRAVITY (H <sub>2</sub> O = 1):	0.950
pH:	11.50
SOLIDS:	N/D
SOLUBILITY IN WATER:	92%
PARTITION COEFFICIENT, n-OCTANOL/WATER:	N/D
VOLATILITY INCLUDING WATER (%):	96%
VOLATILE ORGANIC COMPOUNDS (VOC):	10%
DIELECTRIC STRENGTH (Volts):	N/A
DECOMPOSITION TEMPERATURE:	N/D
VISCOSITY:	N/D



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## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** None known.

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Excessive heat.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents, strong reducing agents, acids.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxides of carbon.

**HAZARDOUS POLYMERIZATION:** None known. **CONDITIONS TO AVOID (POLYMERIZATION):** NA

## SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** **Diethylene Glycol n-Butyl Ether (112-34-5)** LD50 (Oral, Rat): 3950-9740 mg/kg, (Mouse) 12,400 mg/kg, (Guinea Pig) 3000 – 4970 mg/kg, (Rabbit) 4450 mg/kg; LD50 (Skin, Rabbit): 10,300 mg/kg, (Guinea Pig) 31,700 mg/kg, (Mouse & Rat) 5940 mg/kg; LC50 (Inhalation, Rat): 960 ppm **1, 8-p-Menthadiene (5989-27-5)** LD50 (Oral, Rat): 4400 mg/kg (Mouse) 5600 mg/kg; LD50 (Dermal, Rabbit): 5,000 mg/kg **Isoparaffinic Hydrocarbon (64742-47-8)** LD50 (Oral, Rat) 5 g/kg; LD50 (Dermal, Rabbit) 2 g/kg; LC50 (Rat, 4hr) 5 mg/L .

**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin

**EYES:** May cause irritation, redness.

**SKIN:** May cause irritation, localized defatting.

**INGESTION:** May cause gastrointestinal irritation, nausea, diarrhea, vomiting.

**INHALATION:** Causes mild irritation to the respiratory tract.

**ACUTE HEALTH HAZARDS: EYES:** redness, tearing, blurred vision.

**CHRONIC HEALTH HAZARDS:** May be toxic to kidneys and liver.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known.

**CARCINOGENICITY:** **OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** N/A

## SECTION 12: ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** **Diethylene Glycol n-Butyl Ether (112-34-5)** LC50 (Lepomis macrochirus, 96hr) 1,300 mg/L; LC50 (Leuciscus idus, 48hr) > 1,000 mg/L; EC50 (Daphnia magna, 48hr): > 100 mg/L; IC50 (Green Algae, 24hr) 100 mg/L; LC50 (Pseudomonas Putida, 16hr) 1,170 mg/L **Isoparaffinic Hydrocarbon (64742-47-8)** Not expected to be harmful or demonstrate chronic toxicity toward aquatic organisms. Expected to be readily biodegradable. Do not contaminate water when disposing of equipment washwaters.

**BIODEGRADABILITY:** This product is biodegradable.

**BIOACCUMULATION:** This product is not expected to bioaccumulate.

**SOIL MOBILITY:** This product is mobile in soil.

**OTHER ECOLOGICAL HAZARDS:** None known.



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## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate or reuse container.

**RCRA STATUS:** Waste likely considered non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZES(S):** AEROSOLS (16 ozs.)  
**PROPER SHIPPING NAME:** CLEANING COMPOUND  
**HAZARD CLASS:** N/A  
**ID NUMBER:** N/A  
**PACKING GROUP:** N/A  
**LABEL STATEMENT:** LIMITED QUANTITY

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** None

**311/312 HAZARD CATEGORIES:** None

**313 REPORTABLE INGREDIENTS:** Diethylene Glycol n-Butyl Ether (DB) (112-34-5)

**CLEAN WATER ACT:** None

**STATE REGULATIONS:** California Proposition 65: None **Distillates, Petroleum, Hydrotreated, Light** (64742-47-8) RTK – PA, NJ, RI

**Diethylene Glycol n-Butyl Ether (112-34-5)** RTK – PA, NJ

**INTERNATIONAL REGULATIONS:** **Diethylene Glycol n-Butyl Ether** (112-34-5): European Union – EINECS, Australia – AICS, Japan – ENCIS, Korean – ECL, (WHMIS) Canada

## SECTION 16: OTHER INFORMATION

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

**REVISION DATE:** 07/27/16

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

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