



SAFETY DATA SHEET

Product: MARC 162 MULTI-PURPOSE NON-CONDUCTIVE SURFACE DEGREASER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 162 MULTI-PURPOSE NON-CONDUCTIVE SURFACE DEGREASER**

SDS DATE: 02/21/2020

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: Multipurpose cleaner. May be used on a wide variety of surfaces.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol Category 2. Liquefied Gas.

SIGNAL WORD AND HAZARD STATEMENTS - WARNING: Flammable Aerosol. Contains gas under pressure. May explode if heated. 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.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>
Ethyl Alcohol	64-17-5	10-30%
Propane/n-Butane	68476-86-8	3- 7%

Exact percentages are 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 advice or attention.

SKIN: Immediately wash with soap and water. Seek medical attention if irritation develops.

INGESTION: DO NOT INDUCE VOMITING unless directed by medical authority. Immediately rinse mouth with water. Seek medical attention if irritation persists.

INHALATION: Move victim to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

ACUTE HEALTH HAZARDS: None known. **CHRONIC HEALTH HAZARDS:** None known.

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, carbon dioxide, alcohol foam, and water spray or fog.

UNSUITABLE EXTINGUISHING MEDIA: N/A.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved self-contained breathing apparatus with a full-face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section 8 for proper Personal Protective Equipment.

SPILL: Use non-combustible material like vermiculite, sand or earth on spill. Sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

WASTE DISPOSAL: Dispose of in accordance with federal, state and local regulations. Waste is like considered D001 (ignitable waste) under RCRA, however product should be fully characterized prior to disposal.

SECTION 7: HANDLING AND STORAGE



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GENERAL HANDLING/STORAGE: Protect from sunlight. Store in well ventilated place. Do not expose to temperatures exceeding 50°C/120°F. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks, open flames, and hot surfaces. No Smoking.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!

INCOMPATIBILITY: Strong oxidizers, alkalis, acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	OSHA PEL	ACGIH TLV
Ethyl Alcohol	1000 ppm	1000 ppm
Propane/n-Butane	1000 ppm	1000 ppm

ENGINEERING CONTROLS/VENTILATION: Ambient ventilation suitable. Forced ventilation should not be required.

MECHANICAL: N/A

RESPIRATORY PROTECTION: Not required under normal use.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses.

WORK HYGIENIC PRACTICES: Follow normal hygiene practices. Wash hands thoroughly with soap and water before eating, drinking or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White foam
ODOR:	Pleasant scent
pH:	9.5 – 10.5
SOLUBILITY IN WATER:	100%
SPECIFIC GRAVITY: (H₂O = 1)	0.96 - 0.99
MELTING/FREEZING POINT:	N/D
INITIAL BOILING POINT:	>212°F (>100°C)
FLASH POINT	N/D
EVAPORATION RATE:	>0.8 (slow)
FLAMMABILITY:	Flammable aerosol.
FLAMMABILITY LIMITS:	N/D
VAPOR PRESSURE (mmHg):	N/D
PARTITION COEFFICIENT:	N/D
AUTO-IGNITION TEMPERATURE:	N/D
DECOMPOSITION TEMPERATURE:	N/A
VISCOSITY:	N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: N/A. **CHEMICAL STABILITY:** Stable.

CONDITIONS TO AVOID: Temperatures greater than 122°F and sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers, alkalis, acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known. **POSSIBILITY OF HAZARDOUS REACTIONS:** None known.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Ethyl Alcohol (64-17-5) LC₅₀ (inhalation, rat, 4 hr.) 133.6 mg/l; LD₅₀ (oral, rat) >8311 mg/kg; LD₅₀ (dermal, rabbit) 16972.5 mg/kg.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes irritation, burning, redness, tearing.

SKIN: May cause mild irritation, localized defatting.

INGESTION: Not a likely route of exposure under normal product handling conditions.

INHALATION: Causes dizziness if inhaled directly or exposed to excessive amounts.

MEDICAL CONDITION AGGRAVATED: None known.

ACUTE HEALTH HAZARDS: None known.

CHRONIC HEALTH HAZARDS: None known.

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

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Ethyl Alcohol (64-17-5) LC₅₀ (Fish, 96 hr.) 12,900-15,300 mg/l; LC₅₀ (Bacteria, 24 hr.) 11,200 mg/l;



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EC₅₀ (bacteria, 5-30 min) 34,900 mg/l.

BIODEGRADABILITY: This product is biodegradable.

SOIL MOBILITY: This product is mobile in soil.

BIOACCUMULATION: This product is not expected to bioaccumulate.

OTHER ADVERSE EFFECTS: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INSTRUCTIONS: Dispose of in accordance with federal, state, and local regulations.

RCRA HAZARD CLASS: Waste is like considered D001 (ignitable waste) under RCRA, however product should be fully characterized prior to disposal.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Aerosol Can

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

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

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

SARA 311/312 HAZARD CATEGORIES: None.

SARA 313 REPORTABLE INGREDIENTS: None

CLEAN WATER ACT: None.

VOC Content: 9.9%

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 02/21/2020

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.