



SAFETY DATA SHEET

Product: MARC 122 DE-ICER SPRAY

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 122 DE-ICER SPRAY**

SDS DATE: 7/9/12

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: Windshield Ice Melter

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Irritant (eye) (skin)

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: CAUTION: Extremely flammable. Eye and skin irritant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Methyl Alcohol	67-56-1	200PPM (skin)
Ethylene Glycol	107-2101	50PPM
Carbon Dioxide	124-38-9	5000PPM

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with large quantities of water for 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention.

SKIN: Flush exposed area with plenty of water for 15 minutes. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse.

INGESTION: Dilute by giving water or milk and then induce vomiting. Note: Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet. Get medical attention immediately.

INHALATION: Remove person to fresh air. If breathing is difficult, administer oxygen. If irritation persists get medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Aerosol cans may rupture when heated.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heated cans may burst.

HAZARDOUS DECOMPOSITION PRODUCTS: In fire, will decompose to carbon dioxide, carbon monoxide.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

- EMERGENCY PROCEDURES:** Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.
- PROTECTIVE EQUIPMENT:** Use personal protective devices as stated in Section 8.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Same as emergency procedures. Dispose as hazardous waste in accordance with EPA RCRA.

SECTION 7: HANDLING AND STORAGE

- GENERAL HANDLING:** When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.
- OTHER PRECAUTIONS:** Keep away from heat, sparks, or open flame. For Industrial and Institutional use only. For use by trained personnel only. KEEP AWAY FROM CHILDREN.
- STORAGE:** Store below 120°F. Keep container closed during storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>
Methyl Alcohol	67-56-1	200PPM (skin)
Ethylene Glycol	107-2101	50PPM
Carbon Dioxide	124-38-9	5000PPM

- ENGINEERING CONTROLS:** N/A
- VENTILATION :** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
- RESPIRATORY PROTECTION:** Self-contained breathing apparatus if above TLV limit.
- EYE PROTECTION:** As with all cleaners, MARC supports employee safety as priority #1. Therefore, we recommend the use of safety glasses or chemical splash goggles.
- SKIN PROTECTION/PROTECTIVE GLOVES:** None required if spraying.
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Long sleeves and long pants.
- WORK HYGIENIC PRACTICES:** Do not smoke while using. Wash hands after use.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-
PHYSICAL STATE/COLOR: Aerosol spray, clear color.
ODOR: Mild and pleasant; non-residual
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 0.85
MELTING/FREEZING POINT: N/A
BOILING POINT: >100°F
pH: N/A
FLASH POINT/METHOD USED: 54°F
EVAPORATION RATE: Slower than ether.
FLAMMABILITY LIMITS: LEL: 6 UEL: 36
VAPOR PRESSURE (mmHg): N/A
VAPOR DENSITY (AIR = 1): Heavier than air.
PARTITION COEFFICIENT, n-OCTANOL/WATER: N/A
AUTO-IGNITION TEMPERATURE: N/A
DECOMPOSITION TEMPERATURE: N/A
VISCOSITY: N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None
STABILITY: Stable
CONDITIONS TO AVOID: High temperatures.
INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: In fire, will decompose to carbon dioxide, carbon monoxide.
HAZARDOUS POLYMERIZATION: No **CONDITIONS TO AVOID (POLYMERIZATION):** None known.

SECTION 11: TOXICOLOGICAL INFORMATION

EYES: Eye irritant. May cause irritation, redness, or tearing.
SKIN: Prolonged exposure to skin may result in the absorption of harmful amounts of methanol. Repeated contact may cause irritation, defatting or drying.
INGESTION: May cause abdominal pain, vomiting, headache, shortness of breath, weakness, fatigue, lightheadedness, drunkenness, blurred vision.
INHALATION: Vapors may cause dizziness, drowsiness.
ACUTE HEALTH HAZARDS: None known.
CHRONIC HEALTH HAZARDS: None known.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.
CARCINOGENICITY: No.
TOXICITY TO ANIMALS: Not applicable.



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SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: Not Available.

DEGRADABILITY: Not Available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose as hazardous waste in accordance with EPA RCRA.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Aerosol Can (13 oz.)
PROPER SHIPPING NAME: ICE MELTING 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): Not Applicable

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Applicable

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Applicable

311/312 HAZARD CATEGORIES: Not Applicable

SARA Title III, Section 313 Components:

Methyl Alcohol	67-56-1
Ethylene Glycol	107-2101

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 7/9/12

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.