



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: 11/11/2021

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: Windshield frost and ice remover.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATIONS: Acute Toxicity - Inhalation - Category 3; Acute Toxicity - Oral - Category 3; Acute Toxicity - Dermal - Category 3; Specific Target Organ Toxicity (single exposure) - Category 1; Flammable Aerosols - Category 1; Gasses under pressure - Compressed gas.

Signal Word: Danger.

Hazard Statements: Keep out of reach of children. Read label and SDS

before use. Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Toxic if swallowed, in contact with skin, or inhaled. Causes damage to optic nerve and central nervous system. May cause blindness. **Precautionary Statements- Prevention:** Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. 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. Wash hands and face thoroughly after handling. Wear protective gloves and clothing. Wear eye protection. Do not eat, drink or smoke when using this product. **Response:** IF SWALLOWED: Immediately call a poison center or a doctor. Do NOT induce vomiting. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Call a poison center or a doctor. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or a doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor. **Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Store locked up. **Disposal:** Dispose of contents and container in accordance with all local, regional, and national regulations. **Hazards Not Otherwise Specified:** Not applicable.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages are claimed as a trade secret.

CAS NO.	INGREDIENT	% BY WEIGHT
0000067-56-1	Methyl Alcohol	60 - 65
0000124-38-9	Carbon Dioxide	1 - 5

SECTION 4: FIRST AID MEASURES

DANGER. Extremely flammable. Contents under pressure. Harmful or fatal if swallowed. Aspiration hazard if swallowed. Vapor harmful. Repeated exposure by inhalation or skin absorption may cause systemic poisoning, brain disorders, and blindness. Keep away from heat and flame. Can cause nervous system depression. 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. SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs get medical attention. Take off contaminated clothing and wash it before reuse. INHALATION: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. INGESTION: Harmful or fatal if swallowed. Seek medical attention immediately. Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, fog or foam. **Specific hazards arising from the chemical:** Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard. **Hazardous thermal decomposition products:** Carbon Dioxide, Carbon Monoxide. **Specific fire-fighting methods:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. **Special protective equipment for fire fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see section 8). **Environmental precautions and clean-up methods:** Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

SECTION 7: HANDLING AND STORAGE

Do not use or store near heat, sparks or open flame. Exposure to temperatures above 120 F may cause bursting. Do not puncture or incinerate container. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Carbon Dioxide (124-38-9): ACGIH TLV=800 ppm. **Methanol (67-56-1):** OSHA PEL=200 ppm; ACGIH TLV=200ppm.

Eye Protection: Wear safety glasses or goggles. **Skin Protection:** To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene). **Respiratory Protection:** When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed. **Engineering Controls:** Good general ventilation required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Appearance	CLEAR SPRAY/MIST	Auto Ignition Temp	NOT AVAILABLE
Boiling Point	NOT AVAILABLE	Color	COLORLESS
Decomposition Temperature	NOT AVAILABLE	Evaporation Rate	NOT AVAILABLE
Explosive Limit Ranges	NOT AVAILABLE	Explosive Properties	NOT AVAILABLE
Flash Point	< 50 F (liquid portion)	Melting/Freezing Point	NOT AVAILABLE
Odor	SOLVENT	Odor Threshold	NOT AVAILABLE
Other Information	VOC content (wt. %): 65	Oxidizing Properties	NOT AVAILABLE
Partition Coeff	NOT AVAILABLE	Physical State	LIQUID
Relative Density	0.9	Solubility (Water)	COMPLETE
Vapor Density	NOT AVAILABLE	Vapor Pressure	NOT AVAILABLE
Viscosity	NOT AVAILABLE	pH	7 - 9

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Under normal conditions of storage and use, hazardous reactions will not occur. **Chemical Stability:** Stable under normal conditions. **Incompatible Materials:** Acids and strong oxidizers. **Conditions to Avoid:** High temperatures, open flames, sparks, welding. **Hazardous Decomposition Products:** CO, CO₂. Vapors may ignite at temperatures exceeding flash point.

SECTION 11: TOXICOLOGICAL INFORMATION

Primary Route of Entry: Skin contact, inhalation.

Acute/Potential Health Effects-- EYES: May cause serious eye irritation. Symptoms include stinging, tearing and redness. **SKIN:** May cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying of skin and skin burns. Methanol may be absorbed through the skin in toxic or lethal amounts. **INHALATION:** High vapor/aerosol concentrations (>1000 ppm) are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. May cause peripheral nervous system disorder and/or damage. **INGESTION:** Harmful or fatal if swallowed. Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. Swallowing even small amounts of Methanol may cause blindness or death. Effects of sub lethal doses may be nausea, headaches, vomiting and blurred vision. **Chronic / Long Term Effects:** Repeated exposure by inhalation or absorption may cause systemic poisoning, brain disorders, impaired vision and blindness. Inhalation may worsen conditions such as emphysema or bronchitis. Repeated skin contact may cause dermal irritation, dryness and cracking. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. **Signs and Symptoms of Overexposure:** Signs and symptoms of overexposure to this material through breathing, swallowing, and/or passage of material through the skin may include stomach or intestinal upset (nausea vomiting, diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache,



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unconsciousness). **Target Organ Effects:** Central nervous system. **Reproductive/Developmental Information:** WARNING: This product contains chemicals known to the State of California to cause birth defects or other reproductive harm. **Carcinogenic Information:** This material is not listed as a carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values: Methanol: Inhalation - LC50, rat 64000 ppm; Oral - LD50, rat 5.6-13 g/Kg; Dermal - LD50, rabbit 20 ml/Kg.

SECTION 12: ECOLOGICAL INFORMATION

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES: Aerosol Can

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

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act): Methanol.

CERCLA RQ (40 CFR 302): Methanol – 5,000 pounds.

Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR 372.65): Methanol.

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS. If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2: ACUTE (X) Chronic (X) Fire (X) Pressure (X) Reactive () Not Applicable ().

T.S.C.A. Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s): D001.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 3; Flammability = 4; Reactivity = 0; Other = none; Protection = G.

DISCLAIMER: This Supplier believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.