



# SAFETY DATA SHEET

Product: MARC 96 ICE BLASTER PLUS

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 96 ICE BLASTER PLUS

SDS DATE: 3/27/15

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: Snow and Ice Melting Compound for Roads, Driveways, Sidewalks, etc.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

### GHS CLASSIFICATION:

PHYSICAL	HEALTH	ENVIRONMENT
Not Hazardous	Not Hazardous	Not Hazardous

### GHS Label Elements:

None required.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: CAUTION: May cause eye irritation. KEEP OUT OF REACH OF CHILDREN!

THIS PRODUCT IS NOT REGULATED UNDER OSHA. Contains NO hazardous components.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	AMOUNT
Water	7732-18-5	65-75%
Magnesium Chloride	7791-18-6	25-35%
Corrosion Inhibitor	Proprietary	<1.0%
Performance Additive	Proprietary	<1.0%

## SECTION 4: FIRST AID MEASURES

**EYES:** Flush victim's eyes with large quantities of water, while holding the eyelids apart. Get medical attention if irritation occurs and persists.

**SKIN:** Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Remove and launder clothing before reuse.

**INGESTION:** **DO NOT INDUCE VOMITING!** Rinse mouth with water and give one glass of water to drink. Never give anything by mouth to an unconscious or convulsing person. Get medical attention if symptoms develop.

**INHALATION:** Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

**MOST IMPORTANT SYMPTOMS:** May cause slight eye and skin irritation.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT:** Immediate medical attention is not required.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/A



# SAFETY DATA SHEET

Product: MARC 96 ICE BLASTER PLUS

Form R04132

## SECTION 5: FIRE FIGHTING MEASURES

**SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA:** Use media appropriate for surrounding fire. Cool fire exposed containers and structures with water.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Thermal decomposition may yield hydrogen chloride, halogenated compounds, and chlorine gas.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield hydrogen chloride, halogenated compounds, and chlorine gas.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES:** Dike and collect liquid or absorb with an inert absorbent and place in appropriate containers for disposal. Flush spill area with water. Report releases as required by local, state and federal authorities.

**PROTECTIVE EQUIPMENT:** Wear appropriate protective clothing as described in Section 8. Wash hands thoroughly after handling.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Same as EMERGENCY PROCEDURES. In accordance with government regulations.

## SECTION 7: HANDLING AND STORAGE

**GENERAL HANDLING:** Avoid contact with eye, skin or clothing. Avoid breathing mists or aerosols. Wear protection clothing and equipment as described in Section 8. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

**OTHER PRECAUTIONS:** **KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE! DO NOT TAKE INTERNALLY.**

**STORAGE:** Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers closed when not in use. Product may be corrosive to some metals.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines:

Magnesium chloride	None Established
--------------------	------------------

**ENGINEERING CONTROLS:** Use with adequate general ventilation to minimize exposures.

**VENTILATION:** N/A

**RESPIRATORY PROTECTION:** In operations where exposure levels are excessive, a NIOSH approved respirator with dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**EYE PROTECTION:** Safety glasses or goggles with splash shields recommended.

**SKIN PROTECTION/PROTECTIVE GLOVES:** Wear impervious gloves such as rubber or neoprene if needed to avoid prolonged skin contact.



# SAFETY DATA SHEET

Product: MARC 96 ICE BLASTER PLUS

Form R04132

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Long-sleeved clothing and long pants recommended to avoid prolonged skin contact. Suitable washing facilities should be available in the work area.

**WORK HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE-

<b>PHYSICAL STATE:</b>	Liquid.
<b>COLOR:</b>	Clear to Slight Yellow.
<b>ODOR:</b>	Very low or no odor.
<b>ODOR THRESHOLD:</b>	Not established.
<b>pH:</b>	4-9
<b>MELTING/FREEZING POINT:</b>	-85°F
<b>BOILING POINT:</b>	107.2°C (225°F)
<b>FLASH POINT/METHOD USED:</b>	None
<b>EVAPORATION RATE:</b>	Not determined
<b>FLAMMABILITY (solid, gas):</b>	Not applicable.
<b>FLAMMABILITY LIMITS:</b>	<b>LEL:</b> Not determined. <b>UEL:</b> Not determined.
<b>VAPOR PRESSURE (mmHg):</b>	Not determined.
<b>VAPOR DENSITY (AIR = 1):</b>	Not determined.
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	N/A
<b>SOLUBILITY IN WATER:</b>	Complete
<b>PARTITION COEFFICIENT, n-OCTANOL/WATER:</b>	Not determined.
<b>AUTO-IGNITION TEMPERATURE:</b>	Not determined.
<b>DECOMPOSITION TEMPERATURE:</b>	Not determined.
<b>VISCOSITY:</b>	<60 cP @ 70°F

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** Not normally reactive.

**STABILITY:** Stable under normal storage and handling conditions.

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents, concentrated acids, and some metals.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** When heated to decomposition emits hydrogen chloride, halogenated compounds, and chlorine gas.

**HAZARDOUS POLYMERIZATION:** None known.

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYES:** May cause slight irritation with pain and tearing.

**SKIN:** May cause slight irritation on prolonged or repeated contact.

**INGESTION:** May cause slight irritation with nausea, vomiting, and diarrhea.

**INHALATION:** Inhalation of mists may cause slight irritation of the nose, throat, and upper respiratory tract.

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

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



# SAFETY DATA SHEET

Product: MARC 96 ICE BLASTER PLUS

Form R04132

**CARCINOGENICITY:** None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP, or OSHA.

**GERM CELL MUTAGENICITY:** None currently known.

**REPRODUCTIVE TOXICITY:** None currently known.

**NUMERICAL MEASURES OF TOXICITY:** No toxicity data available.

## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:** Product: Fathead minnow NOEC: 1.00 g/L; Ceriodaphnia dubia NOEC: 1.00 g/L;  
Selenastrum growth NOEC: 2.00 g/L.

**PERSISTENCE AND DEGRADABILITY:** Biodegradation is not applicable to inorganic substances.

**BIOACCUMULATIVE POTENTIAL:** No data available.

**MOBILITY IN SOIL:** No data available.

**OTHER ADVERSE EFFECTS:** None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of in accordance local, state and federal environmental regulations.

## SECTION 14: TRANSPORT INFORMATION

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

Not regulated as dangerous goods. Not regulated as hazardous.

**CONTAINER SIZES(S):** Drums, Pails, Gallons

**PROPER SHIPPING NAME:** Not regulated. – Ice Melting Compound, Liquid.

**HAZARD CLASS:** None

**ID NUMBER:** None

**PACKING GROUP:** None

**LABEL STATEMENT:** None

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

**EPA TSCA (TOXIC SUBSTANCE CONTROL ACT):** All of the ingredients in this product are listed on the EPA TSCA Inventory.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

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

**SARA 311/312 HAZARD CATEGORIES:** Not Hazardous.

**SARA 313 REPORTABLE INGREDIENTS:** This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None.



# SAFETY DATA SHEET

Product: MARC 96 ICE BLASTER PLUS

Form R04132

**CANADA:** This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

**Canadian CEPA:** All the components of this product are listed on the Canadian DSL.

**Canadian WHMIS Classification:** Not classified as dangerous.

## SECTION 16: OTHER INFORMATION

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

REVISION DATE: 3/27/15

**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.