



PO Box 32 ▾ 105 Liberty Street ▾ Winona, MN 55987 ▾ Phone: 800-533-0027 or 507-454-5640 ▾ Fax: 507-454-5641

## FOR CHEMICAL EMERGENCY

Involving Shipping and Handling Spills, Leak, Fire, Exposure or Accident

Call CHEMTREC 1-800-424-9300

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

### Section 1 - Product Identification

Product Name: Ice Machine Cleaner

### Section 2 - Composition/Information on Ingredients

CHEMICAL NAME	CAS REG. #
Glycolic Acid	79-14-1
Phosphoric Acid	7664-38-2
Sulfamic Acid	5329-14-6

*Other ingredients are judged to be non-hazardous, their CAS numbers and their exact percentage of composition are proprietary to National Chemicals, Inc.*

### Section 3 - Hazards Identification

NFPA: Health 3 Fire 0 Reactivity 0

HMIS: Health 3 Fire 0 Reactivity 1

**EMERGENCY OVERVIEW:** DANGER! CORROSIVE. Can cause burns to the respiratory tract, skin, eyes and gastrointestinal tract. Can cause permanent eye damage. May be harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist. Keep container tightly closed. Wash thoroughly after handling. Keep from contact with clothing and other combustible materials.

**EYE CONTACT:** May cause redness, pain, and blurred vision. Prolonged contact may cause corneal injury.

**SKIN CONTACT:** Can cause irritation.

**INHALATION:** May irritate the nose, throat and respiratory tract.

**INGESTION:** May cause irritation, corrosion/ulceration, nausea, and vomiting.

### Section 4 - First Aid Measures

GET MEDICAL ATTENTION IMMEDIATELY.

**EYES:** Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes lifting the upper and lower eyelids intermittently. Washing eyes within several seconds is essential to achieve maximum effectiveness.

**SKIN:** Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing and shoes before reuse.

**INHALATION:** Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen.

**INGESTION:** Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops.

### Section 5 - Fire Fighting Measures

**FLASH POINT:** Not flammable

**FIRE AND EXPLOSION HAZARDS:** Material may decompose and produce corrosive and/or toxic gases (i.e. ammonia and sulfur oxides). Highly corrosive and may react violently with bases.

**EXTINGUISHING MEDIA:** Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

**HAZARDOUS COMBUSTION PRODUCTS:** Nitrogen oxides, carbon oxides, sulfur oxides, and ammonia.

### Section 6 - Accidental Release Measures

Wear appropriate personal protective equipment. Keep unnecessary and unprotected personnel away. Contain spilled material with dikes, sandbags, etc. Neutralize spill residue with hydrated lime (calcium oxide), soda ash or sodium bicarbonate. Remove soiled clothing and launder before reuse. Avoid all skin contact with the spilled material.

### Section 7 - Handling and Storage

**HANDLING:** Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. When mixing, slowly add chemical to water. Never add water to chemical.

**STORAGE:** Keep container tightly closed and properly labeled. Store containers in a cool, dry place, away from direct sunlight, sources of intense heat, or where freezing is possible.

## Section 8 - Exposure Controls and Personal Protection

VENTILATION: Provide local exhaust ventilation where vapor or mist may be generated.

EYE PROTECTION: Wear safety glasses with side shields.

SKIN: Use impervious gloves (rubber or neoprene). Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Always place pants legs over boots. Thoroughly clean and dry contaminated clothing before reuse.

## Section 9 - Physical and Chemical Properties

APPEARANCE: clear liquid

ODOR: odorless

FLASH POINT: not flammable

WATER SOLUBILITY: soluble

BOILING POINT: no data available

FREEZING POINT: 32° F

VAPOR PRESSURE: no data available

VAPOR DENSITY: no data available

## Section 10 - Stability and Reactivity

STABILITY: Stable

INCOMPATIBLE MATERIALS: Chlorine and chlorine compounds, cyanides, sulfides, nitrites, nitrates, carbonates, metal oxides, strong oxidizing agents and strong bases.

HAZARDOUS DECOMPOSITION: Nitrogen oxides, carbon oxides, sulfur oxides and ammonia gas. Concentrated solutions, when heated, will release phosphorus oxides, sulfur dioxide, and sulfur trioxide.

POLYMERIZATION: Will not occur

## Section 11 - Toxicological Information

CARCINOGEN STATUS: OSHA: No NTP: No IARC: No

MUTAGENICITY: Not available

TERATOGENICITY: Not available

## Section 12 - Ecological Information

Harmful to aquatic life in very low concentrations.

## Section 13 - Disposal Considerations

Reuse or reprocess if possible. Flush spill with plenty of water before disposal. Dispose in accordance with all applicable regulations.

## Section 14 - Transport Information

Not classified as hazardous according to Department of Transportation.

## Section 15 - Regulations

This product does not contain any chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4):

IMMEDIATE (ACUTE) HEALTH HAZARD: Yes

DELAYED (CHRONIC) HEALTH HAZARD: No FIRE HAZARD: No

REACTIVE HAZARD: No

SUDDEN RELEASE OF PRESSURE HAZARD: No

## Section 16 - Other Information

SUPERSEDES DATE:

*The information and recommendations in this Material Safety Data Sheet are based upon data believed to be correct and does not relate to its use in combination with any other material or process. Since use conditions vary, we assume no liability for failure to follow product use direction and safety precautions. As data, standards and regulations change; NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.*