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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: DBC® Lime and Mineral Solvent, all sizes

Product ID: 4100X

Section 2 - Composition/Information on Ingredients**CHEMICAL NAME**

Glycolic Acid

CAS REG. #

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****DANGER! CORROSIVE.** Causes severe irritation and burns to the respiratory tract, skin, eyes and gastrointestinal tract. Harmful if swallowed or inhaled.**PRECAUTIONARY STATEMENTS:** Avoid contact with eyes and skin. Avoid breathing dusts. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Keep from contact with clothing and other combustible materials.**INHALATION:** May irritate the nose, throat and respiratory tract. In severe cases, ulceration and perforation of the nasal septum and upper respiratory tract can occur. In severe exposures can lead to a chemical pneumonitis.**SKIN CONTACT:** Can cause irritation of the skin with pain, itching and redness. Depending on the duration of skin contact, skin overexposures may cause chemical burns resulting in blistering of skin and possible scarring.**EYE CONTACT:** Exposure to particulates or solution of this product may cause redness, pain, and blurred vision. Prolonged contact may cause corneal injury.**INGESTION:** Harmful if swallowed. May cause severe burns to the mouth, throat and stomach. May cause gastrointestinal irritation with symptoms such as nausea, vomiting, and diarrhea.**CARCINOGEN STATUS:** OSHA: No NTP: No IARC: No**Section 4 - First Aid Measures****EYE CONTACT:** Flush immediately with plenty of water for at least 20 minutes. GET MEDICAL ATTENTION IMMEDIATELY.**SKIN CONTACT:** Remove all contaminated clothing. Wash thoroughly with soap and water for at least 20 minutes. Seek immediate medical attention if irritation develops or persists..**INHALATION:** Remove to fresh air. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. GET MEDICAL ATTENTION IMMEDIATELY.**INGESTION:** DO NOT INDUCE VOMITING. Give large quantities of water provided person is conscious. Never give anything by mouth to a victim who is unconscious or having convulsions. Contact a physician or poison control center immediately.**NOTES TO PHYSICIAN:** Provide general supportive measures and treat symptomatically.**Section 5 - Fire Fighting Measures****FLASH POINT:** Not flammable**METHOD USED:** Not applicable**GENERAL FIRE 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.**HAZARDOUS COMBUSTION PRODUCTS:** Nitrogen oxides, carbon oxides, sulfur oxides, and ammonia.**EXTINGUISHING MEDIA:** Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.**Section 6 - Accidental Release Measures**

Stop the flow of material, if this can be done without risk. Contain the discharged material. 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**STORAGE:** Keep container tightly closed when not in use. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Empty containers may contain residual particulates; therefore, empty containers should be handled with care.**HANDLING:** Avoid all contact with skin and eyes. Wash thoroughly after handling.

Section 8 - Exposure Controls and Personal Protection

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

EYE PROTECTION: Wear chemical safety goggles with a faceshield to protect against skin and eye contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: 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. Discard contaminated leather goods.

GLOVES: Wear appropriate chemical resistant gloves.

Section 9 - Physical and Chemical Properties

APPEARANCE: clear liquid

ODOR: odorless

FLASH POINT: Not flammable

WATER SOLUBILITY: Not available

BOILING POINT: Not available

FREEZING POINT: 32° F

VAPOR PRESSURE: Not available

VAPOR DENSITY: Not available

Section 10 - Stability and Reactivity

STABILITY: Stable at normal temperatures and pressure.

INCOMPATIBILITIES: 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 polymerize.

Section 11 - Toxicological Information

CARCINOGENICITY: Not available

MUTAGENICITY: Not available

TERATOGENICITY: Not available

Section 12 - Ecological Information

Harmful to aquatic life in very low concentrations.

Section 13 - Disposal Considerations

All wastes must be handled in accordance with local, state and federal regulations. Material can be converted to a less hazardous material by weak reducing agents followed by neutralization.

Section 14 - Transport Information

DOT NON-BULK: Not regulated

DOT BULK: Not regulated

IMDG: Not regulated

ICAO/IATA: Not regulated

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

SUPERCEDES DATE: January 1, 2005

NFPA: Health 3 Fire 0 Reactivity 0

HMIS: Health 3 Fire 0 Reactivity 1

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.