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FOR CHEMICAL EMERGENCYInvolving 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: ALC® Acid Beverage System Cleaner, all sizes

Product ID: 3106X

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

Hydrochloric Acid

CAS REG. #

7647-01-0

Phosphoric Acid

7664-38-2

Sulfamic Acid

5329-14-6

*Other ingredients are judged to be non-hazardous, their CAS numbers and their exact percent of composition are proprietary to National Chemicals, Inc.***Section 3 - Hazards Identification**

NFPA RATINGS (SCALE 0-4): Health 4 Fire 0 Reactivity 0

HMIS RATINGS (SCALE 0-4): Health 4 Flammability 0 Reactivity 1

EMERGENCY OVERVIEW: DANGER! CORROSIVE. Causes severe irritation and burns to every area of contact. Causes permanent eye damage May be harmful or fatal if swallowed.

PHYSICAL HAZARDS: May spatter or generate heat when mixed with water. Contact with metals may evolve flammable hydrogen gas.

PRECAUTIONARY STATEMENTS: Do not breathe vapor or mist. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling. Use only with adequate ventilation.

INHALATION: SHORT TERM: burns, cough, pulmonary edema

LONG TERM: erosion of teeth

SKIN CONTACT: SHORT TERM: burns, ulceration

LONG TERM: dermatitis

EYE CONTACT: SHORT TERM: burns, eye damage, blindness

LONG TERM: none known

INGESTION: SHORT TERM: burns

LONG TERM: ingestion of harmful amounts is unlikely

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

Section 4 - First Aid Measures

GET MEDICAL ATTENTION IMMEDIATELY.

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

SKIN CONTACT: 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.

EYE CONTACT: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness.

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.

NOTE TO PHYSICIAN: The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5 - Fire Fighting Measures

FIRE AND EXPLOSION HAZARDS: May release toxic gases.

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire.

FIRE FIGHTING: Keep unnecessary people away, isolate hazard area and deny entry. Wear NIOSH approved positive-pressure self-contained breathing apparatus. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Cool containers with water.

SENSITIVITY TO MECHANICAL IMPACT: Not sensitive

SENSITIVITY TO STATIC DISCHARGE: Not sensitive

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition products or combustion: hydrogen chloride

Section 6 - Accidental Release Measures

Ventilate area. Wear appropriate personal protective equipment. Keep unnecessary and unprotected personnel away. Contain spilled material with dikes, sandbags, etc. Shut off ventilation system if needed. Reprocess or reuse if possible. Neutralize with alkaline material (soda ash, lime or dilute caustic soda) then absorb with an inert material (vermiculite, dry sand, earth). Do not use combustible materials (saw dust). Do not flush to sewer. This material is acidic and may lower the pH of the surface waters with low buffering capacity.

Section 7 - Handling and Storage

STORAGE: Keep container tightly closed and properly labeled. Store in a cool, dry place. Store in a well-ventilated area. Do not store in aluminum container or use aluminum fittings or transfer lines. Keep separated from incompatible substances (see Section 10).

HANDLING: Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. When mixing, slowly add to water to minimize heat generation and spattering.

Section 8 - Exposure Controls and Personal Protection

VENTILATION: Use closed systems when possible. Provide local exhaust ventilation where vapor or mist may be generated.

EYE PROTECTION: Wear safety glasses with side shields. Wear chemical safety goggles with a faceshield or chemical splash hood. 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.

GLOVES: Wear appropriate chemical resistant gloves.

PROTECTIVE MATERIAL TYPES: neoprene, nitrile, polyvinyl chloride (PVC), rubber, Kappler(R) CPF3, Tychem(R)

Section 9 - Physical and Chemical Properties

APPEARANCE/ODOR: Clear, amber liquid, odorless

FLASH POINT: Not flammable

BOILING POINT: 140 – 300° F

VAPOR PRESSURE: Not available

WATER SOLUBILITY: 100%

pH: Acidic in solution.

FREEZING POINT: 32° F

VAPOR DENSITY: Not available

Section 10 - Stability and Reactivity

STABILITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Contact with water may produce a strong exothermic reaction with spattering. Contact with metals may evolve flammable hydrogen gas. Hydrogen chloride may react with cyanide, forming lethal concentrations of hydrocyanic acid.

INCOMPATIBILITIES: Metals, alkalis (such as sodium hydroxide), mercuric sulfate, perchloric acid, carbides of calcium, cesium, rubidium, acetylides of cesium and rubidium, phosphides of calcium and uranium, lithium silicide

HAZARDOUS DECOMPOSITION: Thermal decomposition products or combustion: hydrogen chloride or phosphorus oxides

POLYMERIZATION: Will not polymerize.

Section 11 - Toxicological Information

TOXICITY DATA: Inhalation will cause severe irritation and possible burns with coughing and choking. If inhaled deeply, edema and hemorrhage of the lungs may occur. Inflammation, destruction of nasal passages and breathing difficulties may occur with higher concentrations and may be delayed in onset. Prolonged exposure may cause discoloration and/or erosion of teeth. Contact with eyes causes immediate severe irritation with possible burns, permanent visual impairment, or total loss of sight. Contact with fumes or liquid may produce corrosive burns. Dermal exposure also results in irritation, pain, dermatitis, and ulceration. Ingestion may cause immediate burns of the mouth, esophagus, and stomach. Ingestion may cause intense pain, nausea, vomiting, bleeding, circulating collapse, shock and death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: respiratory system (including asthma and other breathing disorders)

Section 12 -Ecological Information

ECOTOXICITY: This material is believed to be toxic to aquatic life.

BIODEGRADATION: This material is inorganic and not subject to biodegradation.

Section 13 - Disposal Considerations

Reuse or reprocess if possible. Dispose in accordance with all applicable regulations.

Section 14 - Transport Information

U.S. DOT 49 CFR 172.101:

PROPER SHIPPING NAME: Hydrochloric acid solution

ID NUMBER: UN1789

HAZARD CLASS OR DIVISION: 8

PACKING GROUP: II

LABELING REQUIREMENTS: 8

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

SHIPPING NAME: Hydrochloric acid solution

UN NUMBER: UN1789

CLASS: 8

PACKING GROUP/RISK GROUP: II

Section 15 - Regulations

SARA TITLE III, SECTIONS 311/312:

ACUTE: Yes

CHRONIC: No

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE 313: Not regulated

Section 16 - Other Information

SUPERCEDES DATE: January 1, 2005

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.