

## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** HEICO NH-5 HARDENER **DATE:** 08/27/06  
**PRODUCT CODE(S):** HG76, HG95, HG96

### SECTION I PRODUCT IDENTIFICATION

**MANUFACTURER:** BRANDESS/KALT/AETNA  
701 CORPORATE WOODS PKWY  
VERNON HILLS, IL 60061  
847-821-4237

EMERGENCY PHONE # CHEMTREC 800-424-9300.

**PHYSICAL DATA:** LIQUID SOLUTION  
**SYNONYMS:** NONE  
**CHEMICAL FAMILY:** INORGANIC ACIDIC SALT SOLUTION

### SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	CAS #	WEIGHT %
ALUMINUM CHLORIDE	1327-41-9	Less than 40%

### SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

**BOILING POINT:** 220°F  
**COLOR:** WATER WHITE  
**SOLUBILITY IN WATER:** COMPLETE  
**EVAPORATION RATE:** NO DATA AVAILABLE  
**STABILITY:** PRODUCT IS STABLE UNDER NORMAL CONDITIONS  
**VAPOR PRESSURE:** NO DATA AVAILABLE  
**SPECIFIC GRAVITY:** 1.10 MINIMUM

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** N/A  
**FLAMMABLE LIMITS:** N/A  
**EXTINGUISHING MEDIA:** USE MATERIALS APPROPRIATE FOR SURROUNDING FIRE. EXPOSED MATERIAL MAY BE COOLED WITH WATER.  
**SPECIAL FIRE FIGHTING INSTRUCTIONS:** WATER SOLUTION  
**UNUSUAL FIRE & EXPLOSION HAZARDS:** NONE KNOWN  
**RESPIRATORY PROTECTION:** MAY DECOMPOSE TO HYDROCHLORIC ACID IN A FIRE. A SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN BY FIRE FIGHTING PERSONNEL.

### SECTION V REACTIVITY DATA

**CONDITIONS TO AVOID:** NONE KNOWN  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** NONE KNOWN  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

### SECTION VI HEALTH HAZARD DATA

**PERMISSIBLE CONCENTRATION:** 2mg/m3 AS A1 TO PREVENT IRRITATION  
**CHRONIC EFFECTS OF OVEREXPOSURE:** NONE KNOWN  
**ACUTE TOXICOLOGICAL PROPERTIES:** NO DATA AVAILABLE  
**EMERGENCY AND FIRST AID PROCEDURES:**  
**EYES:** IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.  
**SKIN:** FLUSH AREA WITH COLD WATER AND WASH WITH WARM SOAPY WATER.  
**IF SWALLOWED:** DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

### SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

**IF SMALL RELEASE:** NEUTRALIZE WITH SODA ASH OR ABSORB WITH AN INERT MATERIAL.  
**WASTE DISPOSAL METHOD:** FLUSH AREA WITH LARGE AMOUNTS OF COLD WATER. COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

### SECTION VIII CONTROL MEASURES

**RESPIRATORY PROTECTION:** NONE FOR NORMAL USE  
**VENTILATION:** LOCAL, ADEQUATE EXHAUST  
**EYES:** CONTACT LENSES SHOULD NOT BE WORN. WEAR SAFETY GLASSES OR GOGGLES.  
**PROTECTIVE GLOVES:** NEOPRENE GLOVES

### SECTION IX SPECIAL PRECAUTIONS

PRODUCT WILL SLOWLY CORRODE IRON, BRASS, COPPER, ALUMINUM, AND MILD STEEL.

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.