

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** ETHOL E-Z FIX HARDENER **DATE:** 08/27/06  
**PRODUCT CODE(S):** ET-EFH-4; ET-EFH-16

## SECTION I PRODUCT IDENTIFICATION

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

INFORMATION AND EMERGENCY PHONE DURING BUSINESS HOURS  
800-821-5488

FOR EMERGENCY ASSISTANCE INVOLVING A SPILL, LEAK, OR FIRE WITH THIS  
PRODUCT CALL 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/m<sup>3</sup> 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 opinions expressed herein are those of qualified experts, chemists, and technicians supplied by various chemical manufacturers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information, these opinions, and the conditions of use of the product are not within the control of Brandess/Kalt/Aetna, it is the user's obligation to determine the conditions of safe use of the product.