

M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: ACI-DET
 PRODUCT CODE: F00093

HMIS CODES: H F R P
 2 0 0 B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: CRYSTAL PACKAGING, INC.
 ADDRESS : 5185 NATIONAL WESTERN DRIVE
 DENVER, CO 80216

EMERGENCY PHONE : (800) 535-5053 DATE PRINTED : 06/09/09
 INFORMATION PHONE : (303) 778-1805 NAME OF PREPARER : CEB

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
* HYDROCHLORIC ACID	7647-01-0	78.0000068	14.37
OSHA PEL: 5ppmCEILING, ACGIH TLV: 5ppmCEILING, OTHER: 7mg/m3CEIL			

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

PROPER SHIPPING NAME;HYDROCHLORIC ACID, SOLUTION, 8,UN1789, PG II LABEL
 CORROSIVE , ERG GUIDE 157

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 200° F SPECIFIC GRAVITY (H2O=1): 1.06
 VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
 SOLUBILITY IN WATER: Infinite
 APPEARANCE AND ODOR: penetrating clear liquid with slight hydrochloric acid odor

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: NON-FLAMMABLE METHOD USED: TCC
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a UPPER: n/a
 EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG
 SPECIAL FIREFIGHTING PROCEDURES: None, this product is not flammable. Treat surrounding fire.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
 CONDITIONS TO AVOID: Avoid the listed incompatible materials. Avoid temperatures less than 35° F or above 80° F.
 INCOMPATIBILITY (MATERIALS TO AVOID): Avoid alkalis, aluminum, carbides, phosphides.
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Reactions with metals can produce flammable hydrogen gas.
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Eyes, nose, throat burn; eyes water; loss of breath; dizziness
 SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Severe burning of eyes or skin.
 SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Not known to occur.
 INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Severe burning.
 HEALTH HAZARDS (ACUTE AND CHRONIC): Oral ingestion is harmful. Skin contact and eye contact could cause irritation. Inhalation overexposure may cause dizziness, discomfort.
 CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: Yes
 Not carcinogenic.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.
 EMERGENCY AND FIRST AID PROCEDURES: IF SWALLOWED: If conscious, drink large amount of water immediately. Do not induce vomiting. Drink milk of magnesia. Get prompt medical attention. Never give liquids to an unconscious person. Do not take carbonates or bicarbonates. IF IN EYES: Immediately flood with large amount of flowing water. See physician. IF INHALED: Move to location with plenty of fresh air. If breathing has stopped, apply artificial respiration. See physician. IF ON SKIN: Immediately flood surface with water using soap freely & then cover with moist baking soda. See dr.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Leaks should be repaired immediately. Spills should be contained, and absorbed into sawdust or earth.
WASTE DISPOSAL METHOD: Disposal should comply with Federal, State & Local regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP OUT OF REACH OF CHILDREN.
OTHER PRECAUTIONS: Avoid skin contact; wear eye and hand protection. Pretest on surface to be cleaned.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION: Not normally needed.
VENTILATION: Avoid prolonged exposure to concentrated vapor. Use only in well ventilated areas.
PROTECTIVE GLOVES: Rubber or neoprene.
EYE PROTECTION: Chemical goggles.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not necessary.
WORK/HYGIENIC PRACTICES: Contaminated clothing should be removed. Pretest on surface to be cleaned.

===== SECTION IX - DISCLAIMER =====

All information given is believed to be accurate but is presented without guarantee, warranty, or responsibility of any kind, express or implied, on our part.