

MSDS**Material Safety Data Sheet**

1403 Herkimer Street
Joliet, IL 60432-1059
(877) EKI-CHEM
(815) 723-4000
www.eki-chem.com

24 HOUR EMERGENCY
TELEPHONE NUMBER
CALL CHEMTREC
1-800-424-9300

Hydrochloric Acid Solutions, 0.01 to 0.200 Normal**SECTION 1 PRODUCT IDENTIFICATION**

NAME: Hydrochloric Acid Solutions, 0.05 to 0.100 Normal
EKI ORDER NUMBERS: 4920, 4960, 4970, 4980, 4990
SYNONYMS: N/A
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: 22 April 2004

******LABEL HAZARD STATEMENT AND PRECAUTIONS******

CAUTION. MAY CAUSE IRRITATION. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO -----	OSHA PEL -----	ACGIH TLV -----
Hydrogen Chloride/7647-01-0	5 ppm CEIL	2 ppm CEIL

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible	BOILING POINT (C): N/E
VAPOR PRESSURE (mm Hg): N/E	VAPOR DENSITY: N/E
SPECIFIC GRAVITY: N/E	MELTING POINT (C): N/E
EVAPORATION RATE: N/E	
APPEARANCE AND ODOR: Clear, colorless liquid.	

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): Not flammable
AUTOIGNITION TEMPERATURE (C): Does not apply
FLAMMABLE LIMITS (%) UEL: Does not apply LEL: Does not apply
EXTINGUISHING MEDIA: Suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full face piece operated in pressure-demand or other positive-pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: N/I

MATERIALS TO AVOID: N/I

HAZARDOUS DECOMPOSITION PRODUCTS: Very small quantities of Hydrogen Chloride vapor.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: May cause minor respiratory tract irritation.

SKIN CONTACT: May cause slight irritation.

EYE CONTACT: May cause irritation.

SKIN ABSORPTION: N/I

INGESTION: Not expected to be a health hazard under conditions of laboratory use.

CHRONIC: N/I

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/I

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

EYE CONTACT: Flush thoroughly with water. Get medical attention for persistent irritation.

SKIN CONTACT: Flush with water.

INHALATION: Remove to fresh air.

INGESTION: Get medical attention if very large quantities were swallowed.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Flush to drain.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION 8 CONTROL MEASURES

VENTILATION: General

RESPIRATORY PROTECTION: Not normally required.

EYE PROTECTION: Chemical splash safety goggles and/or full face shield

SKIN PROTECTION: Gloves, lab coat and impervious apron.

E K INDUSTRIES, INC. MAKES NO REPRESENTATION AS TO THE COMPREHENSIVENESS OR ACCURACY OF THIS INFORMATION. INDIVIDUALS RECEIVING THIS INFORMATION MUST EXERCISE THEIR INDEPENDENT JUDGMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE. ACCORDINGLY, E K INDUSTRIES, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES OF ANY KIND OR NATURE RESULTING FROM THE USE OF ANY SUCH INFORMATION. NO REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, INCLUDING BUT NOT LIMITED TO, EXPRESS WARRANTIES, IMPLIED WARRANTIES OF MERCHANTABILITY, OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.