

M S D S***Material Safety Data Sheet***

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Hydrochloric Acid Solution, 6.00 Normal

SECTION 1 PRODUCT IDENTIFICATION

NAME: Hydrochloric Acid Solution, 6.00 Normal
EKI ORDER NUMBER: 5200
SYNONYMS: N/I
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: 22 April 2004

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

DANGER! CAUSES BURNS. HARMFUL IF SWALLOWED OR INHALED. Do not get in eyes, on skin or clothing. Do not inhale vapor or mist. Keep container tightly closed. Use only 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. Characteristic odor of Hydrochloric Acid.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): Not combustible
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 facepiece operated in pressure-demand or other positive-pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Extreme heat may liberate hydrogen gas.

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat

MATERIALS TO AVOID: Strong bases, metals and metal oxides, hydroxides, amines, carbonates, other alkaline materials and many other substances.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Causes severe irritation of nose, throat and upper respiratory tract. May cause pulmonary edema, circulatory failure in extreme cases.

SKIN CONTACT: Causes burns, ulcers.

EYE CONTACT: Vapor causes irritation and possible eye damage. Liquid contact may cause severe burns and eye damage.

SKIN ABSORPTION: N/I

INGESTION: Causes mouth, throat, esophagus and G.I. tract burns.

CHRONIC: May cause teeth erosion.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or eye disorders.

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

GET IMMEDIATE MEDICAL ATTENTION

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

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

INGESTION: Do NOT induce vomiting. Give large quantities of water to drink.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area and wear suitable respirator. Neutralize with soda ash or lime.

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

STORAGE: Store tightly closed in a cool place, out of direct sunlight.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Air-supplied self-contained breathing apparatus or acid gas respirator.

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

SKIN PROTECTION: Gloves, Lab coat and impervious apron.

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