

# MSDS

# Material Safety Data Sheet



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## Hydrochloric Acid, 2% v/v

### SECTION 1 PRODUCT IDENTIFICATION

NAME: Hydrochloric Acid, 2%  
EKI ORDER NUMBER: 5101  
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

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## SECTION 5 REACTIVITY DATA

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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.

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## SECTION 6 HEALTH HAZARD DATA

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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.

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## SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

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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.

STORAGE: Store tightly closed in a cool place.

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## SECTION 8 CONTROL MEASURES

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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.

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