





## MATERIAL SAFETY DATA SHEET

*Analytical Sensors & Instruments Ltd.*

**Section VI. HEALTH HAZARD DATA** – Given for concentrated HCl solutions – This solution may have reduced hazards

<b>Route(s) of Entry:</b> <b>Inhalation?</b> YES <b>Skin?</b> YES <b>Ingestion?</b> YES
<b>Health Hazards (Acute and Chronic):</b> Corrosive! Contact can cause skin, eye, respiratory tract, gastrointestinal tract, or mucosal membrane irritation, redness, and burns.
<b>Carcinogenicity:</b> NTP? <b>OSHA Regulated?</b> Not found on these lists. <b>IARC Monographs?</b> Category 3
<b>Signs and Symptoms of Exposure:</b> Can cause burns, irritation, redness, or pain in exposed area.
<b>Medical Conditions Generally Aggravated by Exposure:</b> Persons with pre-existing skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects of this substance.
<b>Emergency and First Aid Procedures:</b> <b>Eye Contact:</b> Remove contact lenses if present. Immediately flush eyes with copious amounts of water, separate eyelid from eye. Get medical attention immediately. <b>Skin Contact:</b> Immediately flush skin with plenty and copious amounts of water for 15 minutes. Remove contaminated clothing and shoes, clean before reuse. Get medical attention immediately. <b>Ingestion:</b> DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. <b>Inhalation:</b> Remove to fresh air, if not breathing give artificial respiration, if breathing is difficult give oxygen. Get medical attention immediately.

**Section VII. PRECAUTIONS FOR SAFE HANDLING AND USE**

<b>Steps to Be Taken in Case Material is Released or Spilled:</b> Clean up then dispose of properly according to local laws. Observe all Federal, State and Local laws when disposing of this product.
<b>Waste Disposal Method:</b> Observe all Federal, State and Local laws when disposing of this product.
<b>Precautions to Be taken in Handling and Storing:</b> Avoid contact with eyes. Wash hands thoroughly after use. NFPA Rating: Scale (0-4): Health – 3, Fire – 0, Reactivity – 1, Specific – Corrosive.
<b>Other Precautions:</b> This substance is found on TSCA list and SARA 311/312 listed as: Acute; Yes, Chronic: Yes, Fire: no, Pressure: no, Reactivity: no. Is found on SARA 302, CERCLA, and CDTA lists.

**Section VIII. CONTROL MEASURES**

<b>Respiratory Protection (Specify Type) Wear appropriate respirator if ventilation is inadequate</b>		
<b>Ventilation</b>	<b>Local Exhaust:</b> Recommended	<b>Special:</b> NONE
<b>Ventilation</b>	<b>Mechanical (General):</b> NONE	<b>Other:</b> NONE
<b>Protective Gloves:</b> Rubber or neoprene gloves or similar and impervious boots, apron, or coveralls as needed to protect skin.	<b>Eye Protection:</b> Safety Goggles and / or full face shield	
<b>Other Protective Clothing or Equipment:</b> Eye wash station should be available. Wear protective garments if sensitive skin.		
<b>Work/Hygienic Practices:</b> No eating or drinking in work area. Wash hands after working with this product.		

*Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of this product or any materials designated. Safe use of the materials is the responsibility of the user.*

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