

Identity (As used on Label and List)

**HPCE Adjustment Solution**  
**Cat. No. 02310-HCL**

Section I	
<b>Manufacturer's Name</b>	<b>Emergency Telephone Number</b>
MicroSolv Technology Corporation	732-578-1777
<b>Address</b>	<b>Phone Number for Information</b>
1 Industrial Way West, Building E, Unit D Eatontown, NJ 07724	732-578-1777
	<b>Date Prepared:</b> 6/25/02
Section II - Hazardous Ingredients/Identity Information	
<b>Hazardous Components (Specific Chemical Identity: Common Name(s))</b>	<b>OSHA PEL   ACGIH   Other Limits   %   TLV   Recommended   Optional</b>
Hydrogen Chloride [7647-01-0]	C5ppm; C7mg/m3  C 5ppm
Water [7732-18-5]	None Listed
Section III - Physical/Chemical Characteristics	
<b>Boiling Point:</b> 110C	<b>Specific Gravity (H2O = 1):</b> 1.0-1.2
<b>Vapor Pressure (mm Hg):</b> 5.7mm Hg @0C	<b>Freezing Point:</b> 74C
<b>Vapor Density (Air = 1):</b> 1.26	<b>Evaporation Rate (Butyl Acetate - 1):</b> 1.00
<b>Solubility in Water:</b> Soluble	
<b>Appearance and Odor:</b> Clear Transparent Liquid Strong Pungent Odor.	
Section IV - Fire and Explosion Data	
<b>Flash Point (Method Used):</b> N/A	<b>Flammable Limits LEL:</b> N/A <b>UEL:</b> N/A
<b>Extinguishing Media:</b> Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam.	
<b>Special Fire Fighting Procedures:</b> Wear self contained breathing apparatus and protective clothing.	
<b>Unusual Fire and Explosion Hazards:</b> None obvious.	
Section V - Reactivity Data	
<b>Stability:</b> Unstable <b>Stable:</b> Yes	<b>Conditions to Avoid:</b> Contact with Water, Metals, Bases and Excess Heat.
<b>Incompatibility (Materials to Avoid):</b> Bases, Acetic Anhydride, alkali metals, aluminum, amines, copper, copper alloys, fluorine, sodium hydroxide, steel, sulfuric acid, vinyl acetate, zinc. For full list contact MicroSolv.	
<b>Hazardous Decomposition or Byproducts:</b> Hydrogen Chloride, chlorine, carbone monoxide, carbone dioxide, hydrogen gas.	
<b>Hazardous Polymerization</b> <b>May Occur</b>	<b>Will Not Occur:</b> Yes

**Identity (As Used on Label and List):**

**Section VI - Health Hazard Data**

**Route of Entry:**    **Inhalation?**Yes    **Skin?**Yes    **Ingestion?**Yes

**Health Hazards (Acute and Chronic):** Skin, Eye, Mucous membran irritant.

**Carcinogenicity:** NTP?No    IARC Monographs? No    OSHA Regulated? No

**Signs and Symptoms of Exposure:** N/A

**Medical Conditions Generally Aggravated by Exposure:**N/A

**Emergency and First Aid Procedures:****Contact** - Flush with water    **Ingestion** - Seek medical Advice.

**Section VII - Precautions for Safe Handling and Use**

**Steps to be Taken in Case of Material is Released or Spilled:** Wear suitable protective clothing. Ventilate the area of spill. Wipe up with suitable adsorbent. Collect material in a safe manner and hold for waste disposal. Then wash spil site with water.

**Waste Disposal Method:** Observe all Federal, State and local environmental regulations.

**Precautions to be Taken in Handling and Storing:** Handling, Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with clothing. Do not get on skin or in eyes. Do not ingest or inhale.

**Other Precautions:** Keep container tightly closed, store in a well-ventilated place. Protect containers from damage. Always read and follow directions.

**Section VII - Control Measures**

**Respiratory Protection (Specify Type):** NIOSH approved dust/mist respirator. Self contained breathing appratus for fires and spills.

<b>Ventilation:</b>	<b>Local Exhaust:</b> When necessary. <b>Special</b> N/A
---------------------	--

	<b>Mechanical (General):</b> N/A <b>Other:</b>
--	--

<b>Protective Gloves:</b> Impervious, chemical resistant gloves.	<b>Eye Protection:</b> Safety glasses with side shields or chemical safety goggles.
--	---

**Other Protective Clothing or Equipment:** Safety shower, eyewash and respiratory equipment. Safety pipet device. Suitable protective clothing.

**Work/Hygienic Practices:** N/A

<i>Disclaimer: The information, data and recommendations contained herein are based upon information believed by MicroSolv Technology Corporation to be accurate. However, MicroSolv Technology Corporation neither warrants the accuracy of this information nor</i>	
---	--