

# Material Safety Data Sheet

# CTL

Coating Technologies Ltd

91-CONETC

May 2005

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## Paints

<p><b>PRODUCT IDENTIFICATION</b></p>	<p><u>Product Name:</u> Concrete Etch 10% (HCl10%) (code 91-CONETC)  <u>Chemical Name:</u> Hydrochloric Acid 10% concentration (approx.)  <u>U.N. No:</u> 1789 <u>Hazchem Code:</u> 2R  <u>Physical Form:</u> Liquid</p>
<p><b>HAZARDS</b></p>	<p><u>Dangerous Goods Class:</u> 8 <u>Packaging Code:</u> II  Liquid is extremely corrosive if swallowed and is capable of causing burns to mouth, throat &amp; oesophagus. May be fatal if swallowed in quantity. Ingestion may result in nausea, abdominal irritation, pain and vomiting. Acid will burn skin and eyes. Avoid splashes to the face, hands etc. Can harm eyes. Vapour or mist may be irritating to eyes. Prolonged or repeated skin contact may cause irritation. Avoid skin contact.</p>
<p><b>STORAGE &amp; HANDLING</b></p>	<p>Store under cover away from direct sunlight and frost. Avoid extreme temperatures. Store in clearly labelled containers. Keep containers closed when not in use. Avoid storage with metals.</p> <p><u>Protective Gloves:</u> Neoprene gloves or elbow length PVC gloves. PVC boots or PVC safety gumboots.</p> <p><u>Eye Protection:</u> Wear glasses/goggles with side shields or face shield to protect face and eyes. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.</p> <p><u>Breathing:</u> Half face respirator with filter type P2 with acid gas vapour sorbent.</p> <p><u>Other Protective Equipment:</u> Normal work clothes covering arms and legs. Overalls, solvent resistant apron &amp; boots. Provide sufficient ventilation to maintain exposure at safe level. Use approved respiratory protection when spraying.</p>
<p><b>FIRE</b></p>	<p><u>Flash Point:</u> Not Combustible  <u>Lower Explosion Limit:</u> Not Applicable  <u>Upper Explosion Limit:</u> Not Applicable</p> <p><u>Fire and Explosion Hazards:</u>  Non combustible liquid. Will not burn, but heat produces highly toxic fumes/vapours. Heating may cause expansion or decomposition leading to violent rupture of containers. Decomposes on heating and produces toxic fumes of hydrogen chloride. Decomposition may produce toxic fumes of chlorine. Reacts with metals producing flammable/explosive hydrogen gas.</p>

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May 2005

Page 2

<p><b>FIRST AID PROCEDURES</b></p>	<p><u>Inhaled:</u> Remove affected person to fresh air. If difficulties in breathing seek medical attention.</p> <p><u>Eyes:</u> 1. Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. 2. Ensure complete irrigation of the eyes by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. 3. Seek medical attention without delay.</p> <p><u>Skin:</u> 1. Quickly remove all contaminated clothing, including footwear. 2. Wash all affected areas with water (and soap if available) for at least 15 minutes. 3. Seek medical attention if necessary.</p> <p><u>Swallowed:</u> Rinse mouth out with plenty of water. If poisoning occurs, contact a doctor. If swallowed, do NOT induce vomiting. Give glass of water. Seek medical advice IMMEDIATELY.</p>												
<p><b>SPILLS &amp; LEAKS PROCEDURES</b></p>	<p>Eliminate all sources of ignition. Avoid breathing vapours. Take care floor may be slippery. Stop leak at source. Contain area of spillage. Absorb spill with sand or other absorbent inert material. Transfer liquid material to containers for disposal. Keep away/take care around fresh water drains, streams etc. Destroy by controlled incineration in accordance with local government regulations. For large spills neutralise with calcium carbonate or equivalent.</p>												
<p><b>PHYSICAL &amp; CHEMICAL DATA</b></p>	<p>Hazardous according to NZ Dangerous Goods and Toxic Substances Regulations. Cleaner / Surface Preparator.</p> <p><u>Appearance:</u> Clear to light yellow liquid with sharp suffocating odour</p> <p><u>Specific Gravity:</u> 1.05</p> <table border="1" data-bbox="508 1507 1487 1766"> <thead> <tr> <th><u>INGREDIENTS:</u></th> <th><u>CAS NUMBER:</u></th> <th><u>APPROX. PROPORTION:</u></th> <th><u>TLV:</u></th> </tr> </thead> <tbody> <tr> <td>Hydrogen Chloride</td> <td>7647-01-0</td> <td>10%</td> <td>5 ppm 7.5 mg/m<sup>3</sup></td> </tr> <tr> <td>Water</td> <td>7732-18-5</td> <td>90%</td> <td>-</td> </tr> </tbody> </table>	<u>INGREDIENTS:</u>	<u>CAS NUMBER:</u>	<u>APPROX. PROPORTION:</u>	<u>TLV:</u>	Hydrogen Chloride	7647-01-0	10%	5 ppm 7.5 mg/m <sup>3</sup>	Water	7732-18-5	90%	-
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<p><b>DISPOSAL OF CONTAINERS</b></p>	<p>To be deposited in a landfill in accordance with local government regulations. Containers may be hazardous when empty.</p>												

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