Safety Data Sheet

Section 1 - Product Information
Product Name: HDL-50
Supplier: Intercon Chemical Company
Product Code Number: 0703
Product use: Dish Machine Detergent
Information Phone: 1-314-771-6600
Emergency Contact: CHEMTREC 1-800-424-9300
Address: 1100 Central Industrial Drive
St. Louis MO 63110

Section 2 - Hazard Identification

GHS Classification: Skin Corrosion Category 1B, Eye corrosive Category 1, Oral Toxicity Category 4

Section 2.1 - Label Elements

Signal Word: Danger
Hazard Statements:
Causes severe skin burns and eye damage. Harmful if swallowed.

Precautionary Statements:
Wear protective gloves and eye protection. Wash thoroughly after handling. Do not breathe mist or dust.
IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth, Do NOT induce vomiting.
IF INHALED: Remove to fresh air and keep at rest position comfortable for breathing. Immediately call a POISON CENTER or physician.

Section 3 - Composition

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Percent w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>&lt; 20</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth, Do NOT induce vomiting.

IF INHALED: Remove to fresh air and keep at rest position comfortable for breathing. Immediately call a POISON CENTER or physician.

Section 5 - Fire and Explosion Hazard Data

Flash Point: none
Extinguishing Media:
Water spray or fog, foam, dry chemical, carbon dioxide or alcohol foam, if product involved.

Special Fire Fighting Procedures:
Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV. UNUSUAL FIRE & EXPLOSION HAZARD: Product will not burn.

Section 6 - Accidental Release Measures

Neutralize with dilute acid, or sodium bicarbonate. Mop up and flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

Section 7 - Handling and Storage

Store locked up. Store upright in original closed container.

Section 8 - Exposure Controls/PPE

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA PEL:</th>
<th>ACGIH TLV</th>
<th>PPE</th>
<th>General Hygiene Considerations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>2mg/m³</td>
<td>2mg/m³</td>
<td>Respiratory: not normally required</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye: safety glasses, face shield</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin: Apron, alkali proof gloves</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ventilation: Normal Room Ventilation</td>
<td></td>
</tr>
</tbody>
</table>

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**Section 9 - Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>odor</th>
<th>odor threshold</th>
<th>pH</th>
<th>Melting Point</th>
<th>Boiling point</th>
<th>Evaporation rate</th>
<th>Flammability</th>
<th>Upper/lower flammability limits</th>
<th>Vapor pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>red liquid</td>
<td>mild</td>
<td>NE</td>
<td>14</td>
<td>NE</td>
<td>212°F</td>
<td>&gt;1(water =1)</td>
<td>NA</td>
<td>NA</td>
<td>17mm Hg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vapor Density</th>
<th>Density</th>
<th>Specific Gravity</th>
<th>pH(use dil)</th>
<th>Solubility</th>
<th>Partition coefficient</th>
<th>Auto Ignition temp</th>
<th>Viscosity</th>
<th>Decomposition Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.62(air =1)</td>
<td>9.74</td>
<td>1.16</td>
<td>13</td>
<td>100% in water</td>
<td>NE</td>
<td>NA</td>
<td>thin</td>
<td>NE</td>
</tr>
</tbody>
</table>

**Section 10 - Stability and Reactivity**

Product is stable, hazardous polymerization will not occur. Incompatible with strong acids. If burned, normal combustion products: Carbon Dioxide, Carbon Monoxide, Nitrous Oxides.

**Section 11 - Toxicological Information**

<table>
<thead>
<tr>
<th>ingredient</th>
<th>Acute toxicity (oral LD50) rat</th>
<th>Acute toxicity(derm. LD50) rabbit</th>
<th>Skin and Eye</th>
<th>Carcinogen</th>
<th>Mutagen</th>
<th>Reproduct. Toxicity</th>
<th>STOST -single Exposure</th>
<th>STOST Repeated exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>200 mg/kg</td>
<td>1350mg/kg</td>
<td>corrosive</td>
<td>Not listed</td>
<td>No info</td>
<td>No info</td>
<td>No info</td>
<td>No info</td>
</tr>
<tr>
<td>all combined</td>
<td>1081mg/kg</td>
<td>&gt;7000mg/kg</td>
<td>corrosive</td>
<td>Not listed</td>
<td>No info</td>
<td>No info</td>
<td>No info</td>
<td>No info</td>
</tr>
</tbody>
</table>

Other:

**Section 12 - Ecological Information**

No information available

**Section 13 - Disposal Considerations**

Products covered by this SDS, in their original form, are considered corrosive hazardous waste according to RCRA(40 CFR 261). Dispose of in accordance with applicable Federal, State and Local regulations.

**Section 14 - Transport Information**

<table>
<thead>
<tr>
<th>UN number</th>
<th>Basic Description(DOT)</th>
<th>Class</th>
<th>Packing Group</th>
<th>LTD QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1719</td>
<td>Caustic Alkali Liquids, n.o.s(Contains sodium hydroxide)</td>
<td>8</td>
<td>II</td>
<td>&lt; 1Liter</td>
</tr>
</tbody>
</table>

**Section 15 - Regulatory Information**

SARA Title 3: Does not contain reportable chemicals under sections 302, 304, or 313 of Title III of the Superfund amendments and Reauthorization Act of 1986. CERCLA: Sodium Hydroxide. For more information consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68

**Section 16 - Other Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with materials or in any process, unless specified in the text.

Legend for Abbreviations: NA - not applicable NE - Not Established