I. PRODUCT AND COMPANY INFORMATION

TRADE NAME: Forge
CHEMICAL FAMILY: Laundry Detergent
HCS (Division of Washing Systems, LLC)

5579 Spellmire Dr.
Cincinnati, OH  45246
513-870-4830

Date Prepared: 10/18/2007
Version: 2

II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as HAZARDOUS in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>COMMON NAME</th>
<th>EXPOSURE LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicic Acid, Disodium Salt</td>
<td>Sodium Metasilicate, Anhydrous</td>
<td>UNK</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>Caustic Soda</td>
<td>UNK</td>
</tr>
<tr>
<td>Alcohol Ethoxylate</td>
<td>Nonionic Surfactant</td>
<td>UNK</td>
</tr>
</tbody>
</table>

III. PHYSICAL/CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>APPEARANCE &amp; ODOR</th>
<th>VAPOR DENSITY (AIR=1)</th>
<th>BOILING POINT</th>
<th>SOLUBILITY IN WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Powder, No Odor</td>
<td>N/A</td>
<td>N/A</td>
<td>Soluble (&gt;1%)</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>EVAPORATION RATE</td>
<td>VAPOR PRESSURE (mmHg)</td>
<td>MELTING POINT</td>
</tr>
<tr>
<td>0.90</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

IV. FIRE AND EXPLOSION DATA

<table>
<thead>
<tr>
<th>FLASHPOINT</th>
<th>FLAMMABLE LIMITS (\text{lower limit})</th>
<th>(\text{upper limit})</th>
<th>AUTO IGNITION TEMP</th>
<th>HAZARDOUS POLYMERIZATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>

EXTINGUISHING AGENTS: Water, Dry Chemical, Foam or Carbon Dioxide
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

V. REACTIVITY DATA

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>HAZARDOUS DECOMPOSITION PRODUCTS</th>
<th>MATERIALS TO AVOID</th>
<th>HAZARDOUS POLYMERIZATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>None.</td>
<td>Strong Oxidizers, Acids</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>
VI. HEALTH HAZARD DATA

**SKIN:**
- **ACUTE:** Can cause permanent damage.
- **CHRONIC:** May result in multiple areas of superficial destruction of skin or primary irritant dermatitis.

**EYES:**
- **ACUTE:** Dry product can cause tissue destruction if not treated immediately.
- **CHRONIC:** Can cause blindness.

**INHALATION:**
- **ACUTE:** Inhalation of dust can cause irritation and corrosive effects to nose, throat, and respiratory tract.
- **CHRONIC:** None known.

**INGESTION:**
- **ACUTE:** Causes burns to mouth, throat, and stomach.
- **CHRONIC:** Death can result from ingestion.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**
Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

**CARCINOGENICITY**

- **OSHA:** NO
- **IARC MONOGRAPHS:** NO
- **NTP:** NO

**EMERGENCY AND FIRST AID PROCEDURES**

**SKIN:** Immediately flush area with plenty of cool water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician.

**EYES:** Immediately flush thoroughly with cool water under low pressure for at least 15 minutes, holding lids apart and moving eye to ensure flushing of the entire surface. Call a physician.

**INHALATION:** Remove from contaminated atmosphere. If breathing stops, administer artificial respiration. Get medical attention immediately.

**INGESTION:** Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING.** If conscious, give large quantities of water. If vomiting occurs spontaneously, keep airway clear. Call a physician immediately.

VII. SPILL OR LEAK PROCEDURES

Sweep up spilled material and dispose of in a manner approved by local, state, and federal regulations. Flush spill area with water. Contains phosphates.

**SPECIAL PRECAUTIONS**
Store in a dry, well-ventilated area away from oxidizers and acids.

VIII. CONTROL MEASURES

**RESPIRATORY PROTECTION**
- Dust Mask

**EYE PROTECTION**
- Safety Goggles

**PROTECTIVE GLOVES**
- Rubber
- None

**OTHER PROTECTIVE EQUIPMENT**
- Mechanical
- Local
- Special
- Normal Air Dilution
- None
- None

N/A = Not Applicable
TLV = Threshold Limit Value
UNK = Unknown at This Time
FORGE