Section 1. Chemical product and company identification

Trade name: KIN-KLOR
Product use: Bleach
Supplier: Ecolab Inc. Textile Care Division
            370 N. Wabasha Street
            St. Paul, MN 55102
            1-800-553-8683

Code: 972307
Date of issue: 23-May-2008

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>troclosene sodium, dihydrate</td>
<td>51580-86-0</td>
<td>5 - 20</td>
</tr>
<tr>
<td>disodium metasilicate</td>
<td>6834-92-0</td>
<td>1 - 5</td>
</tr>
<tr>
<td>sodium carbonate</td>
<td>497-19-8</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

Section 3. Hazards identification

Physical state: Solid. [Powder.]
Emergency overview:

DANGER!
CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.
OXIDIZER.
CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.

Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Use only with adequate ventilation. Keep only in the original container. Avoid contact with combustible materials. Avoid all possible sources of ignition (spark or flame). Keep away from heat and direct sunlight. Decomposes on heating. Keep container closed. Wash thoroughly after handling.

Potential acute health effects

Eyes: Corrosive to eyes.
Skin: Corrosive to the skin.
Inhalation: Severely irritating to the respiratory system.
Ingestion: Causes burns to mouth, throat and stomach.

See toxicological information (section 11)

Section 4. First aid measures

Eye contact: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation: If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention immediately.

Ingestion: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Section 5. Fire fighting measures

Flash point: > 100°C
Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds, metal oxide/oxides.

Fire-fighting media and instructions: Use an extinguishing agent suitable for the surrounding fire. Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff. Contact with combustible material may cause fire. This material increases the risk of fire and may aid combustion.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions: Immediately contact emergency personnel. Stop leak if without risk. Eliminate all ignition sources. Use suitable protective equipment. Keep unnecessary personnel away. Do not touch or walk through spilled material.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up: If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.

Section 7. Handling and storage

Handling: Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Avoid contact with combustible materials. Keep container closed. Keep only in the original container. Use only with adequate ventilation. Wash thoroughly after handling.

Storage: Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed. Separate from reducing agents and combustible materials. Do not store above the following temperature: 45°C

Section 8. Exposure controls/personal protection

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Personal protection:

Eyes: Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Hands: Use chemical-resistant, impervious gloves.

Skin: Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Respiratory: Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Name:

Exposure limits
chlorine

ACGIH TLV (United States, 1/2007).
- STEL: 2.9 mg/m³ 15 minute(s).
- STEL: 1 ppm 15 minute(s).
- TWA: 1.5 mg/m³ 8 hour(s).
- TWA: 0.5 ppm 8 hour(s).

OSHA PEL (United States, 11/2006).
- CEIL: 3 mg/m³
- CEIL: 1 ppm

Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid. [Powder.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>chlorine</td>
</tr>
<tr>
<td>Odor</td>
<td>Off-white.</td>
</tr>
<tr>
<td>pH</td>
<td>9.77 [Conc. (% w/w): 1%]</td>
</tr>
<tr>
<td>Boiling/condensation point</td>
<td>&gt;100°C (&gt;212°F)</td>
</tr>
<tr>
<td>Dispersibility</td>
<td>Dispersible in the following materials: hot water.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in the following materials: hot water.</td>
</tr>
</tbody>
</table>

Section 10. Stability and reactivity

Stability: The product is stable. Decomposes on heating. Under normal conditions of storage and use, hazardous polymerization will not occur.

Reactivity: Reactive or incompatible with the following materials: organic materials, metals, acids and moisture. Do not allow water to enter container. Wet material may generate halogenated gas that may pressurize sealed containers. Mixing this product with acid or ammonia releases chlorine gas.

Hazardous decomposition products: Oxygen

Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Potential acute health effects:
- Eyes: Corrosive to eyes.
- Skin: Corrosive to the skin.
- Inhalation: Severely irritating to the respiratory system.
- Ingestion: Causes burns to mouth, throat and stomach.

Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.
Section 14. Transport information

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Class</th>
<th>Packing group</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>UN3262</td>
<td>Corrosive solid, basic, inorganic, n.o.s. (Sodium metasilicate)</td>
<td>8</td>
<td>III</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

APPLIES ONLY DURING ROAD TRANSPORT
Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification : Oxidizing material
Corrosive material

U.S. Federal regulations :
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
TSCA 8(b) inventory : All components are listed or exempted.

California Prop. 65 : No products were found.

Section 16. Other information

<table>
<thead>
<tr>
<th>Hazardous Material Information System (U.S.A.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
</tr>
<tr>
<td>Flammability</td>
</tr>
<tr>
<td>Physical hazards</td>
</tr>
</tbody>
</table>

Date of issue : 23-May-2008.
Responsible name : Regulatory Affairs
Date of previous issue : 15-July-2005.

Notice to reader
The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.