MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | SSS ROYAL TOUCH LIQUID CHLORINE BLEACH

PRODUCT CODE | 17005

MANUFACTURED FOR | Triple S
STREET ADDRESS | 2 Executive Park Drive
CITY, STATE ZIP | Billerica, MA 01862
PHONE | (978) 667 7900

ISSUE DATE | 06-05-2001
SUPERCEDES | 03-28-2001

EMERGENCY TELEPHONE NUMBER
1-800-535-5053

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>CAS No.</th>
<th>OSHA PEL/TLV</th>
<th>ACGIH TLV</th>
<th>STEL</th>
<th>OTHER LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>3 mg/m³</td>
<td>3 mg/m³</td>
<td>9 mg/m³</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Causes severe irritation to eyes, skin, and mucous membranes.

POTENTIAL HEALTH EFFECTS

| INGESTION ............... | Irritation of membranes of the mouth, throat, and stomach pain and possible ulceration |
| INHALATION ............. | Bronchial irritation, cough, difficulty breathing |
| EYE CONTACT .......... | Severe irritation and burning |
| SKIN CONTACT ......... | Reddening, eczema |

SECTION 4 – FIRST AID MEASURES

INGESTION
Drink water or milk. DO NOT INDUCE VOMITING. DO NOT USE BAKING SODA OR ACIDIC ANTIDOTES. Get medical attention immediately.

INHALATION
Remove to fresh air. If irritation persists, see a physician.

EYE CONTACT
Flush with water for at least 15 minutes. Consult an eye specialist immediately.

SKIN CONTACT
Flush with water. Remove contaminated clothing and do not re-wear until washed. If irritation persists, see a physician.

NOTE TO PHYSICIAN
Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD | None / NA | FLAMMABLE LIMITS | NA

% VOLATILE | NA

EXTINGUISHING MEDIA
Dry chemical, water mist, alcohol foam
SPECIAL FIRE FIGHTING PROCEDURES
Firefighters should wear a self-contained breathing apparatus as in all chemical fires.

FIRE AND EXPLOSION HAZARDS
Can be decomposed by heat or acid. Chlorine gas is a strong fire promoter.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS
Stop leak. Reduce spilled material with bisulfites or ferrous salt solutions (some heat will result). Keep solution alkaline to neutral. Dilute with large quantities of water.

SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS
Wash hands before eating. Keep container tightly closed when not in use.

STORAGE PRECAUTIONS
Store in vented, closed, clean, non-corrosive containers in a cool, dry place away from heat and adjacent chemicals.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES
Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.

ENGINEERING CONTROLS
Use general mechanical ventilation and local exhaust to remove vapors at the source. Eyewash station is recommended.

RESPIRATOR
Required above OSHA recommended levels

GOGGLES / FACE SHIELD
Required; goggles should be chemical splash type

APRON
Not necessary

GLOVES
Required; chemical resistant type

BOOTS
Not necessary

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE
Clear, pale yellow/green liquid

BOILING POINT
210° F

ODOR
Pungent chlorine

VAPOR PRESSURE
ND

pH CONCENTRATE
11.5 – 12.5

VAPOR DENSITY
ND

SPECIFIC GRAVITY
1.15

EVAPORATION RATE
(butyl acetate=1)
NA

SOLUBILITY IN WATER
ND

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY
Decomposition increases with temperature, concentration, and sunlight

CONDITIONS TO AVOID

INCOMPATIBILITY
Acids, ammonia, urea, oxidizable material, nickel, copper, and tin

HAZARDOUS PRODUCTS OF DECOMPOSITION
Hypochlorous acid, chlorine, hydrochloric acid

POLYMERIZATION
WILL NOT OCCUR

CONDITIONS TO AVOID
None

SECTION 11 – TOXICOLOGICAL INFORMATION

CARCINOGENCITY
THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN

X  THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910.12

OTHER EFFECTS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE</td>
<td>Irritation to mucous membranes. Very little hazard from properly stored solution.</td>
</tr>
<tr>
<td>CHRONIC</td>
<td>Not determined</td>
</tr>
<tr>
<td>ORAL LD/50</td>
<td>Unknown</td>
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</table>

SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL  Neutralized, dilute material may be flushed to sewer.

SECTION 13 – TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT CLASSIFICATION</th>
<th>HAZARDOUS</th>
<th>X</th>
<th>NOT HAZARDOUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESCRIPTION</td>
<td>Hypochlorite solution with more than 5 per cent but less than 16 per cent available chlorine, 8, UN 1791, PG III.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEATEX HM CODE</td>
<td>280</td>
<td></td>
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</table>

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

<table>
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<tr>
<th></th>
<th>BLUE</th>
<th>RED</th>
<th>YELLOW</th>
<th>Alk</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>HEALTH HAZARD</td>
<td>FLAMMABILITY</td>
<td>REACTIVITY</td>
<td>SPECIAL HAZARD</td>
</tr>
</tbody>
</table>

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