SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Austin A-1 Bleach Commercial Disinfectant Sanitizer

PRODUCT CODE | 54200-00039

ISSUE DATE | March 19, 2008

MANUFACTURER | James Austin Company
STREET ADDRESS | 115 Downieville Road
MAIL ADDRESS | PO Box 827
CITY, STATE, ZIP | Mars, PA 16046-0827

Medical Information: 1-866-359-5662
Transportation: 1-800-424-9300*
* For spill, leak, fire or transport accident emergencies.

Product Information: 1-724-625-1535

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENT</th>
<th>CAS No.</th>
<th>% by wt.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>NIOSH REL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>5.25 – 5.50</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NON-HAZARDOUS COMPONENT</th>
<th>CAS No.</th>
<th>% by wt.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>NIOSH REL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water (H2O)</td>
<td>7732-18-5</td>
<td>94.5-94.75</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
IRRITANT; may cause severe skin and eye irritation or chemical burns to broken skin. Vapors extremely irritating to eyes and respiratory tract. Harmful and potentially fatal if swallowed. If mixed with other prohibited chemicals or materials, chlorine gas will be released which is also irritating to eyes, lungs, mucous membranes and in some cases can be fatal. (see Section 10 for more information)

POTENTIAL HEALTH EFFECTS

<table>
<thead>
<tr>
<th>INGESTION</th>
<th>Can cause corrosion of mucous membranes, severe esophageal burns and perforation of esophagus or stomach.</th>
</tr>
</thead>
<tbody>
<tr>
<td>INHALATION</td>
<td>Inhalation of vapors can cause bronchial irritation, coughing, difficulty in breathing, nausea and pulmonary edema.</td>
</tr>
<tr>
<td>EYE CONTACT</td>
<td>Irritating to the eyes; may cause severe and permanent damage.</td>
</tr>
<tr>
<td>SKIN CONTACT</td>
<td>Severe irritant; contact can produce blistering and eczema.</td>
</tr>
</tbody>
</table>
SECTION 4 -- FIRST AID MEASURES

INGESTION

If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water or milk. Do not give liquids if victim is unconscious. Do not use acidic antidotes or sodium bicarbonate (baking soda). Do not administer alcohol. Call a physician or poison control center immediately.

INHALATION

If exposed to excessive vapor levels, remove to fresh air and seek medical attention if cough or other symptoms develop.

EYE CONTACT

Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. Get medical attention immediately.

SKIN CONTACT

Flush affected skin area with copious amounts of water and wash with soap and water. If irritation develops or persists, get medical attention. Remove clothing and wash before reuse.

NOTE TO PHYSICIAN

Information pertaining to ingestion toxicology, therapy, symptomatology and treatment can be found in Clinical Toxicology of Commercial Products, authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland. See listing for Hypochlorite in Therapeutics Index, Section III.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD

None / N.A.

FLAMMABLE LIMITS

Not flammable or combustible

EXTINGUISHING MEDIA

If involved in a fire, alcohol foam, carbon dioxide, dry chemical or water fog. Use extinguishing media that is appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid fumes from spilled or exposed liquid. Firefighters should wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus. Cool fire-exposed containers with water spray from a safe distance.

FIRE AND EXPLOSION HAZARDS

Sodium hypochlorite bleach is a strong oxidizing agent and decomposes when heated. Decomposition products may cause containers to explode. Vigorous reactions may occur with organic materials or oxidizable materials, causing fires.

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS

Small spills: Dilute product by flooding area with large quantity of water and flush to sanitary sewer.
Large spills: Contain run-off by diking with suitable material. Soak up liquid on inert absorbent and transfer to approved container. Prevent spill from entering sewers or waterways.

SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS

Wash after handling and before eating. Use personal protective equipment and wear suitable chemical-resistant clothing. Keep container tightly closed when not in use. Follow label directions closely.

STORAGE PRECAUTIONS

Store upright in a cool (below 85 F), dry, well-ventilated area. Keep away from heat or direct sunlight. Separate from incompatible materials, such as acids, ammonia, soap-based products or organic materials. Protect containers from physical damage. Keep away from children.
SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>HYGIENIC PRACTICES</th>
<th>Avoid breathing vapors. Do not store near food stuffs, water or feed. Protect eyes, skin and clothing from contact with this product.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGINEERING CONTROLS</td>
<td>Use local ventilation to remove vapors at the source. Facilities using this product must be equipped with an eyewash station.</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTIVE EQUIPMENT

| RESPIRATOR | Not normally necessary; use NIOSH approved respirator for concentrated vapors |
| GOGGLES / FACE SHIELD | Required; goggles should be chemical splash type. Face shield is best choice |
| APRON | Recommended to avoid skin contact and protect clothing from damage |
| GLOVES | Required; use impervious PVC or Neoprene with long gauntlet |
| BOOTS | Recommended to protect shoes and feet when using product for floor cleaning |

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

| APPEARANCE | Clear pale yellow liquid |
| ODOR | Chlorine |
| pH | 11.5 – 12.5 |
| SPECIFIC GRAVITY | 1.080 |
| SOLUBILITY IN WATER | Complete |
| BOILING POINT | 212 deg F |
| FREEZING POINT | 28 deg F |
| VAPOR PRESSURE | 17.5 mm Hg @ 20 C |
| VAPOR DENSITY | Not applicable |
| EVAPORATION RATE | Not applicable |

SECTION 10 -- STABILITY AND REACTIVITY

| CHEMICAL STABILITY | STABLE |
| CONDITIONS TO AVOID | Heat or direct sunlight; temperatures above 85 F. NEVER mix with solutions containing ammonia. |
| INCOMPATIBILITY | Acids, ammonia, ether, urea, oxidizable materials, soaps, oils, greases, phenolic disinfectants and metals (including nickel, copper, tin, aluminum and iron). Hydrogen Peroxide based bleaches or detergents |
| HAZARDOUS PRODUCTS OF DECOMPOSITION | Chlorine gas -- from contact with highly acidic materials. Chloramines -- from contact with ammonia. Polychlorinated phenols -- from contact with phenolic disinfectants. |
| POLYMERIZATION | WILL NOT OCCUR |
| CONDITIONS TO AVOID | Not applicable to polymerization |

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

| X | 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, Z |

OTHER EFFECTS

| ACUTE | Toxicity arises from corrosive activity; stems from oxidizing potency, a function of concentration |
| CHRONIC | Not determined |
SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY: Yes

CONSIDERED BIODEGRADABLE: Yes

Bleach rapidly breaks down into salt & water.

BOD / COD VALUE: Not established

ECOTOXICITY: No data available

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: If in accordance with an NPDES permit or approved by local sewage treatment plant authority, small amounts may be flushed to a sanitary sewer with plenty of water. Large amounts of unused product must be disposed of as hazardous waste at an approved hazardous waste management facility.

RCRA CLASSIFICATION: Hazardous, corrosive D002 (ONLY if pH is equal to or greater than 12.5)

RECYCLE CONTAINER: X YES

CODE: 2 - HDPE

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION: NOT HAZARDOUS

DOT Proper Shipping Name: Not regulated as per DOT / IMDG / IATA

Hazard Class: Not considered for a Hazard Class

Identification Number: Not considered UN 1791

Packing Group: Not applicable

Label/Placard: None

RQ: None

Comments: This product does not meet the chemical testing criteria for CORROSIVE

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS:

EPA REGISTERED (UNDER FIFRA): 1672-20004 Registration Number (Regular-non scented item only)

NSF APPROVED: USDA Program For Non-Foods Compounding <White Book>

KOSHER: OU (Orthodox Union)

SARA TITLE III MATERIAL: Bottled product not regulated

FDA REGULATED:

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION:

1 BLUE HEALTH HAZARD

0 RED FLAMMABILITY

0 YELLOW REACTIVITY

COR WHITE SPECIAL HAZARD

HMIS CLASSIFICATION:

1 BLUE HEALTH HAZARD

0 RED FLAMMABILITY

0 YELLOW REACTIVITY

C WHITE PROTECTIVE EQUIPMENT

A safety glasses

B safety glasses and gloves

C safety glasses, gloves and an apron

D face shield, gloves and an apron

E safety glasses, gloves and a dust respirator

F safety glasses, gloves, an apron and a dust respirator

G safety glasses, a vapor respirator

H splash goggles, gloves, apron and a vapor respirator

I safety glasses, gloves, a vapor respirator

J splash goggles, gloves, apron & dust/vapor respirator

K airline hood or mask, gloves, full suit and boots

L - Z custom PPE specified by employer

APPROVED SPECIFICATIONS:

Commercial Item Description A-1427C

Federal Specification O-S-602E

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by James Austin Company in connection with the use of this information.