Material Safety Data Sheet

IDENTITY (As Used on Label and List)
4-32 All Purpose Detergent & Disinfectant

Section I
Manufacturer’s Name
KANSAS CORRECTIONAL INDUSTRIES

Address (Number; Street, City, State, and Zip Code)
KANSAS DEPARTMENT OF CORRECTIONS
POST OFFICE BOX 2, LANSING, KANSAS 66043

Date Prepared
February 23, 1996

Emergency Telephone Number
CHEMTREX #800-424-9300

Telephone Number for Information
913-727-3249

Section II – Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity, Common Name(s) OSHA PEL ACGIH TLV Exposure Limits Optional
SODIUM SILICATE, Na2SiO3 N.E. N.E. 2 mg/m³ ~3

QUATERNARY AMMONIUM COMPOUNDS; CORROSIVE; TOXIC BY INGESTION
(n.e. = none established)

Section III – Physical/Chemical Characteristics

Boiling Point 212°F
Specific Gravity (H₂O = 1) 1.0
Vapor Pressure (mm Hg) <10.
Melting Point N.A.
Vapor Density (AIR = 1) >1
Evaporation Rate (Butyl Acetate = 1) <1
Solubility in Water Complete
Appearance and Odor Clear liquid; ammoniacal odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) >200°F/ TCC
Flammable Limits N.A.
LEL N.A.
UEL N.A.

Extinguishing Media Water, foam, and dry chemical extinguishing media may be used to neutralize fires involving this product.

Special Fire Fighting Procedures Firefighters must wear self-contained breathing apparatus with full facepiece operated in pressure demand or positive pressure mode. Avoid allowing run-off from fire control to contaminate public waterways.

Unusual Fire and Explosion Hazards Residue from burning of this material can be caustic. Ventilation when cleaning up for residues. Dusts might form explosive mixtures with air.

(OSHA 174, Sept 1985)
Section V – Reactivity Data

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<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
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<td>Stable</td>
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Unstable Conditions to Avoid
- Prolonged contact with aluminum, zinc, tin and contact with acids.

Incompatibility (Materials to Avoid)
- Avoid contact with acids and oxidizing agents

Hazardous Decomposition or Byproducts
- Caustic soda, CO, HCl, Sulfur compounds

Hazardous Polymerization
- May Occur

Conditions to Avoid
- Contact with strong acids

Will Not Occur
- XXX

Section VI – Health Hazard Data

Route(s) of Entry
- Inhalation? Yes
- Skin? Yes
- Ingestion? Possible

Health Hazards (Acute and Chronic)
- EYES: can cause irritation. SKIN: prolonged contact can cause irritation, defatting and dermatitis. INGESTION: possible gastrointestinal disturbances if large amounts are ingested. Other than the possibility of mild irritation there are no known chronic effects from use of this product in its normal, prescribed manner. Surfaces coated with soap are slippery and not safe for traffic.

Carcinogenicity: NTP? Not listed
- IARC Monographs? NO
- OSHA Regulated? NO

Signs and Symptoms of Exposure
- EYES: redness and watering of eyes. SKIN: redness and irritation; possibly contact dermatitis. INGESTION: possibly nausea, cramps, vomiting; other stomach and intestinal disturbances. INHALATION: general respiratory tract irritation.

Medical Conditions Generally Aggravated by Exposure
- EYES: conjunctivitus and prior irritation. SKIN: dermatitis and some burns. INGESTION: any gastrointestinal disorder including but not limited to ulcers and sore throat from colds or influenza infections. INHALATION: any prior condition.

Emergency and First Aid Procedures
- EYE CONTACT: remove contact lenses, if worn; rinse eyes with water holding eyelid open. SKIN CONTACT: rinse skin with water. INGESTION: drink a large amount of water. INHALATION: remove to fresh air. If exposure was severe CONTACT A PHYSICIAN IMMEDIATELY.

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
- Sweep up material. Contain spills such that material does not enter public waterways through storm sewers or landfill runoff.

Waste Disposal Method
- Dilute rinse water should be handled by a licensed treatment facility. Solid waste is preferably incinerated.

Precautions to Be Taken in Handling and Storing
- As packaged, no special precautions are necessary for ordinary handling and storage.

Other Precautions
- This material may be toxic to aquatic lifeforms. Do not allow untreated material into public waterways.

Section VIII – Control Measures

Respiratory Protection (Specify Type)
- NIOSH approved pesticide respirator, vapor type.

Ventilation
- Local Exhaust: NORMAL
- Mechanical (General): NORMAL

Protective Gloves
- Rubber or equivalent

Other Protective Clothing Or Equipment
- Eye station should be within direct access

Work/Hygienic Practices
- Rinse thoroughly after handling; use impervious clothing.