Material Safety Data Sheet

May be used to comply with OSHA’s Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

IDENTITY (As Used on Label and List)

4-27 No-Phos Liquid Laundry Detergent

Section I

Manufacturer’s Name
KANSAS CORRECTIONAL INDUSTRIES

Emergency Telephone Number
CHEMTREX #800-424-9300

Address (Number; Street, City, State, and Zip Code)
KANSAS DEPARTMENT OF CORRECTIONS

Telephone Number for Information
913-727-3249

POST OFFICE BOX 2

Date Prepared
February 23, 1996

LANSING, KANSAS 66043

Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity. Common Name(s) OSHA PEL ACGIH TLV Exposure Limits Optional

<table>
<thead>
<tr>
<th>Chemical</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Exposure Limits</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Silicate</td>
<td>N.E.</td>
<td>N.E.</td>
<td>2 mg/m³ ceiling</td>
<td>~11</td>
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<tr>
<td>Trisodium Nitrilotriacetate</td>
<td>N.E.</td>
<td>N.E.</td>
<td>~4</td>
<td></td>
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</tbody>
</table>

(n.e. = none established)

Section III – Physical/Chemical Characteristics

Boiling Point
212°F

Vapor Pressure (mm Hg.)
N.A.

Vapor Density (AIR = 1)
> 1

Solubility in Water
Essentially complete

Appearance and Odor
Fluorescent liquid; lemon-lime 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 fire residues. Dusts might form explosive mixtures with air.
Section V – Reactivity Data

Stability | Unstable
---|---
Contact with acids and prolonged contact with metals such as aluminum, tin and zinc.

Stable | XXX
---|---

Incompatibility (Materials to Avoid)

Avoid contact with acids

Hazardous Decomposition or Byproducts

Carbon monoxide, sulfur compounds, sodium hydroxide

Hazardous Polymerization

May Occur | Conditions to Avoid
---|---
Contact with strong acids and prolonged contact with non-passive metals

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? NTA SUSPECT 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: conjunctivitis 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 organic mist respirator

Ventilation

| Local Exhaust | NORMAL | Special N.A. |
---|---|---|
| Mechanical (General) | NORMAL | Other N.A. |

Protective Gloves

Rubber or Neoprene | Eye Protection | Chemical goggles

Other Protective Clothing Or Equipment

None required.

Work/Hygienic Practices

Rinse thoroughly before handling food items or using toilet.