

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.

4-10

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

4-10 Enzertg Laundry Detergent

*Note: Blank spaces are not permitted. If any item is not applicable, or no
Information is available, the space must be marked to indicate that.*

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 26, 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

Other Limits
Recommended

% Optional

SODIUM SILICATE, Na₂SiO₃

n.e.

n.e.

2 mg/m³ ceiling

(n.e. = none established)

Section III – Physical/Chemical Characteristics

Boiling Point

N.A.

Specific Gravity (H₂O = 1)

1.9

Vapor Pressure (mm Hg.)

<1

Melting Point

N.A.

Vapor Density (AIR = 1)

<1

Evaporation Rate (Butyl Acetate = 1)

<1

Solubility in Water

Essentially complete

Appearance and Odor

White powder; fragrant, lemon odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)

N.A.

Flammable Limits

LEL

UEL

N.A.

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 Residues of this material can be caustic. Use respiratory, eye and skin protective devices as well as adequate ventilation when cleaning up fire residues. Dusts might form explosive mixtures with air.

Section V – Reactivity Data

Stability	Unstable	Conditions to Avoid
		Prolonged contact with aluminum, zinc, tin and contact with acids
	Stable	
	XXX	

Incompatibility (Materials to Avoid) Avoid contact with acids

Hazardous Decomposition or Byproducts Caustic soda, carbon monoxide, sulfur compounds

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	Contact with strong acids
	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. INHALATION: can cause severe irritation to the respiratory tract. Chronic effects might result from continued overexposure and irritation of skin, eyes and the respiratory tract leading to infection and allergy.

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: severe irritation, possibly coughing or sneezing.

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. Use personal protective devices to avoid contact.

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 due to its somewhat basic nature.

Section VIII – Control Measures

Respiratory Protection (Specify Type) NIOSH approved caustic dust respirator where dust occurs

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

Protective Gloves Rubber or equivalent Eye Protection Chemical goggles

Other Protective Clothing Or Equipment Eyewash station should be within direct access

Work/Hygienic Practices Rinse thoroughly after handling