

# MATERIAL SAFETY DATA SHEET

Trade Name: Laundry Built Detergent with Caustic #8787

Prepared: August 28, 2000

Revised: March 2004

## Section I - Source Information:

Manufacturer's Name: Michigan State Industries, Inc.  
Address: Ryan Correctional Facility  
Emergency Phone: (313) 368-3200 x51412  
(800) 222-1222 Poison Control  
Technical Information: (313) 368-3200 x51412  
Chemical Name: Detergent

## Section II - Hazardous Ingredients/Identify Information:

<u>Hazardous Components</u>	<u>CAS No.</u>	<u>OSHA PEL*</u>	<u>ACGIH TLV*</u>
Sodium Metasilicate	6834-92-0	None	
Sodium Carbonate	497-19-8	None	
Sodium Hydroxide	1310-73-2	2mg/m <sup>3</sup>	

\*Exposure limits expressed as eight-hour time-weighted average concentrations in parts of contaminant per million parts of air by volume(ppm)."Other Limits" are recommended by the National Institute for Occupational Safety and Health (NIOSH) and are time-weighted over ten hours unless otherwise specified.

## Section III - Physical/Chemical Characteristics:

<u>Boiling Point:</u>	N/A	<u>Specific Gravity:</u>	0.928
<u>Vapor Pressure:</u>	N/A	<u>Vapor Density:</u>	N/A
<u>Evaporation Rate: (Ethyl Ether = 1):</u>	N/A	<u>Solubility in Water:</u>	100%
<u>Appearance and Color:</u>	White granular/flake		

## Section IV- Fire and Explosion Hazard Data:

Flash Point: N/A Flammable Limits: LEL: N/A UEL: N/A  
Extinguishing Media: Water, dry chemical, carbon dioxide, alcohol foam  
Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and protective clothing.  
Unusual Fire and Explosion Hazards:

NFPA 704

Health -	1	HAZARDS 4 - Extreme 3 - Severe 2 - Moderate 1 - Slight 0 - None
Fire -	0	
Reactivity-	1	

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**Section V - Reactivity Data:**

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Stability: STABLE

Incompatibility (Conditions to avoid): Can react with aluminum, phosphoric acid, sulfuric acid, fluoride, lithium, 2,4,6-trinitrotoluene

Hazardous Polymerization: None known

Hazardous Decomposition Products: When heated to decomposition emits toxic fumes of Na<sub>2</sub>O, and PO<sub>x</sub>.

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**Section VI - Health Hazard Data:**

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Routes of Entry: Contact, ingestion

Health Hazards: *Acute:* Eye and skin irritation.

*Chronic:* None Known

*Target Organs:* Eye, mucous membranes and skin

Carcinogenicity: *NTP:* No *IARC:* No *OSHA:* No

Signs and Symptoms of Exposure: Irritation of the eye, mucous membranes, and skin. Can cause burns and deep ulcerations. May cause small burns and serious damage to delicate tissue. Ingestion can cause serious damage to tissues. Inhalation can cause mild irritation to severe pneumonitis.

Medical Conditions Generally Aggravated by Exposure:

Emergency and First Aid Procedures:

*Eye:* If this product contacts the eyes, promptly wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention if any discomfort continues.

*Swallow:* If this product has been swallowed, get medical attention immediately.

*Skin:* If this product contacts the skin, promptly flush the contaminated skin with soap and water, if this product penetrates the clothing promptly remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention.

*Breathing:* If a person breathes large amounts of this product, move the exposed person to fresh air at once. Other measures are usually unnecessary.

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**Section VII - Precautions for Safe Handling and Use:**

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Steps to be taken in Case of Material Release or Spill: Collect spilled material, dispose of unusable product.

Waste Disposal Method: This product is not listed in the federal hazardous waste regulations 40CFR 261.33, paragraphs (e) or (f), i.e. chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40CFR 261, Subpart C. State or local hazardous waste regulations may apply if different from federal.

Precautions to be taken in Handling and Storing: Keep dry

Other Precautions:

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**Section VIII - Control Measures:**

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Respiratory Protection: None required under normal conditions

Ventilation: None required under normal conditions

Protective Gloves: Chemically resistant

Eye Protection: Wear appropriate glasses, goggles or face shield to prevent eye contact.

Other Protective Clothing or Equipment: Wear appropriate personal protective clothing to prevent skin contact.

Work/Hygienic Practices:

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**Section IX - Additional Information:**

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DOT Shipping Name: N/A

Hazard Class: N/A

This product contains the following compounds which are subject to the reporting requirements of Section 313 of Title III of SARA and 40 CFR 372:

<u>Constituent</u>	<u>CAS #</u>	<u>Concentration</u>
None		

This notification of reporting requirements cannot be removed from this MSDS and the copying and redistribution of this document must include this notice.

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with Michigan State Industries, Inc. or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.