

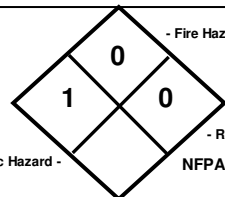
**IOWA
PRISON
INDUSTRIES**

MATERIAL SAFETY DATA SHEET
(Prepared According to 29 CFR 1910.1200)

Date Prepared: 09/21/09
Supersedes Date:

HAZARD RATING

Health
4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT
0-INSIGNIFICANT



- Fire Hazard

- Reactivity

NFPA CODE 704

SECTION 1 - PRODUCT IDENTIFICATION

Manufacturer Name IOWA PRISON INDUSTRIES	Emergency Telephone No. (319) 462-3547
Address 406 North High Street, Anamosa, Iowa 52205	
Trade Name- HIGH EFFICIENCY LIQUID LAUNDRY DETERGENT	Product Type- Laundry Detergent
Chemical Family- Cleaner	Formula- Surfactants

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME / COMMON NAME	CAS. NO	PERCENT (optional)	OSHA STANDARDS	ACGHI GUIDELINES
None				

NA NOT APPLICABLE
NE NOT ESTABLISHED

SECTION 3 - PHYSICAL DATA

Boiling Point (°F) 212	Specific Gravity (H2O = 1.0) 1.03	pH- 7.5-8.5
Vapor Pressure- (mmHg) NA	Vapor Density (Air = 1) NE	
Solubility in Water- <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or dispersible) <input type="checkbox"/> Slight (or partial)		
Evaporation Rate- (vs H2O) NA <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		
Appearance and Odor- SLIGHTLY YELLOW TO PINK IN APPEARANCE, NO ODOR.		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point- (T.C.C.) <input checked="" type="checkbox"/> None to Boiling	Flammable Limits-NA	Upper-	Lower-
Extinguishing Media- Dry Chemical, carbon dioxide, water spray as determined by primary cause of fire when fighting unknown chemical fires.			
Special Fire Fighting Procedures- Wear self contained breathing apparatus and protective clothing			
Unusual Fire and Explosion Hazards- None			
Physical Hazards- None Known			

SECTION 5 - REACTIVE DATA

Stability- Stable	Incompatibility- None Known
Hazardous Decomposition Products- Thermal decomposition may yield toxic fumes of carbon nitrogen, and sulfur oxides	

SECTION 6 - HEALTH HAZARDS

Primary Routes of Exposure- <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other-
Signs and Symptoms of Over-Exposure (Acute)- May cause eye and skin irritation. Ingestion may cause systemic effects including nausea and vomiting.
Signs and Symptoms of Over-Exposure (Chronic)- None known
Medical Conditions Aggravated by Over-Exposure- None known
Carcinogen or Suspect Carcinogen Ingredients- <input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush eyes with flowing water for 15 minutes; consult a physician if irritation persists.
Skin: Rinse affected area thoroughly with flowing water.
Ingestion: Drink large quantities of water. Consult a physician.
Inhalation: Remove to fresh air. If breathing stops, administer artificial respiration and contact physician.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection- NA	
Ventilation Requirements <input checked="" type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other-	
Protective Gloves- Recommended	Eye Protection- Safety glasses recommended
Other Protective Clothing- Safety shower, eyewash station and washing facilities should be available.	

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled- Small spills: Wipe up product, rinse soiled area with water down drain. Large Spills: Stop leak at source and collect in a suitable container then treat as a small spill
Waste Disposal Methods- In accordance with local, state and federal regulations.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage- Store in original container with cap secure.
