

INJECTION SYSTEM CHLORINE NEUTRALIZER

Liquid Chlorine Neutralizer For Laundry For Institutional Use Only

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DESCRIPTION:

Injection System Chlorine Neutralizer is used to remove or neutralize residual chlorine bleach from washed loads. The elimination of chlorine bleach prevents fabric damage and discoloration due to bleach carry over.

PHYSICAL PROPERTIES:

Injection System Chlorine Neutralizer is a clear liquid with a slight ammonia odor. It is a pumpable liquid, and is ideal for automatic liquid injection and continuous wash system.

CHEMICAL PROPERTIES:

Injection System Chlorine Neutralizer contains ammonium thiosulfate.

UNIQUE FUNCTIONS:

Injection System Chlorine Neutralizer disperses and reacts rapidly.

PERFORMANCE PARAMETERS:

Injection System Chlorine Neutralizer works best if added into the second or third rinse after the bleach operation. It can be added with sour, if needed. The effectiveness of Injection System Chlorine Neutralizer is not affected by temperature. The treatment time should be a minimum of two minutes.

USAGE RANGES:

Injection System Chlorine Neutralizer is used at the rate of 1 to 2 ounces per 100 pounds of load.

USE PROHIBITION:

The overuse or acidification of Injection System Chlorine Neutralizer can cause the formation of an ammonia or sulfur odor.

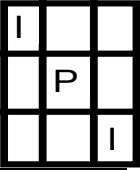
CAUTION KEEP OUT OF THE REACH OF CHILDREN

Only for sale to, use and storage by Service Personnel.

For best product efficiency keep stock rotated.
Shelf life is 1 year.

Judgements as to the suitability of the information provided herein for the purchaser's purposes are necessarily the purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Iowa Prison Industries extends no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability of such information for application to the purchaser's intended purposes or for the consequences of its use.

30 Gallon Drum LA50750 - Each plus drum deposit S60700



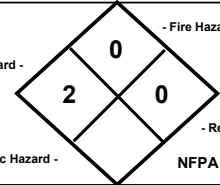
**IOWA
PRISON
INDUSTRIE**

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

Date Prepared: 8/1/06
Supersedes Date: 2/1/99

HAZARD RATING

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



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- INJECTION SYSTEM CHLORINE NEUTRALIZER	Product Type- Chlorine Neutralizer
Chemical Family- Liquid Laundry Chlorine Neutralizer	Formula- Proprietary Blend

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME / COMMON NAME	CAS. NO	PERCENT (optional)	OSHA STANDARDS	ACGIH GUIDELINES
Sodium Thiosulfate	7772-98-7	10.0-30.0	N.AV.	N.AV.

SECTION 3 - PHYSICAL DATA

Boiling Point (°F) 212	Specific Gravity (H2O = 1.0) 1.057	pH- 6.8
Vapor Pressure- N.AV.	Vapor Density (Air = 1) N.AV.	
Solubility in Water- 100% <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or dispersible) <input type="checkbox"/> Slight (or partial)		
Evaporation Rate- (vs Butylacetate) <1 <input type="checkbox"/> Faster <input checked="" type="checkbox"/> Slower <input type="checkbox"/> About the Same		
Appearance and Odor- Clear, Colorless Liquid; No Odor		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point- None <input checked="" type="checkbox"/> None to Boiling	Flammable Limits- Upper- NONE Lower- NONE
Extinguishing Media- Water, water fog	
Special Fire Fighting Procedures- Wear full protective gear to prevent skin contact; and self contained breathing apparatus.	
Unusual Fire and Explosion Hazards- None	Physical Hazards- None

SECTION 5 - REACTIVE DATA

Stability- Stable	Incompatibility- Mixing with strong oxidizers, powdered chlorinated cleaners, or acids will release toxic sulfur dioxide.
Hazardous Decomposition Products- Oxides of sulfur and carbon upon thermal decomposition.	

SECTION 6 - HEALTH HAZARDS

Primary Routes of Exposure- <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Other-
Signs and Symptoms of Over-Exposure (Acute)- Irritation of eyes, skin, and membranes. May be harmful if swallowed. May cause diarrhea/nausea. Inhalation of mist may cause irritation of nose, throat and pulmonary membranes.
Signs and Symptoms of Over-Exposure (Chronic)- No known chronic hazards.
Medical Conditions Aggravated by Over-Exposure- Sensitive skin; inhaled mist may aggravate respiratory disease.
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 thoroughly with fresh water for at least 15 minutes. Get medical attention.
Skin: Flush with fresh water. Remove contaminated clothes and shoes. If irritation develops, get medical attention.
Ingestion: Give several glasses of water. DO NOT INDUCE VOMITING. Get medical attention. Never give anything by mouth to an unconscious person.
Inhalation: Remove to fresh air. Get medical attention.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection- Usually not required.	
Ventilation Requirements- None <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other- Normal air dilution	
Protective Gloves- Chemical resistant, rubber or PVC	Eye Protection- Safety glasses with side shield/splash goggles
Other Protective Clothing- Chemical resistant clothing and footwear. Safety shower/eye wash in use area.	

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled- Causes very slippery surfaces if spilled. Contain spill, mop up or dilute with water, and discharge to sanitary sewer system. For large amounts: contain package, and dispose of in accordance with Local Environmental regulations. Wash affected area with water. Cercla product RQ: No reportable quantities.
Waste Disposal Methods- Use until less than one inch remains in container, empty container, triple rinse with water, add to operation. Remove or deface label before selling container or disposal. Waste solution may be diluted and discharged to a sanitary sewer. Do not discharge to lakes, streams or ponds as solution may be toxic to aquatic life.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage- Keep container closed. Keep from freezing. Do not store with food. Do not mix with acids, oxidizers, bleaches.
N.A.P. = Not applicable. N.AV. = Not available. NE = Not established.