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# LIME AND SCUM REMOVER

**NON-ACID / NON-ABRASIVE**

## **DESCRIPTION:**

Dissolves bathroom ring. Cleans bathroom walls, floors, tubs, wash basins, water closets, stainless steel, chrome trim and fixtures, bathroom tile, shower stalls and all porcelain and ceramic surfaces and drinking fountains. Dissolves light to medium lime scale buildup and soap scum.

## **DIRECTIONS FOR USE:**

Apply cleaner to sponge previously dampened with water, or spray, then rub over soiled area exerting sufficient pressure to remove dirt. On large areas such as tile floors or shower stalls, this product can be applied directly on the surface and scrubbed with a sponge or floor brush. Rinse or wipe clean with wet sponge or cloth to remove soil residue. Wipe dry with clean cloth.

Rinse hands and arms with water after using this product.

## **CAUTION**

**KEEP OUT OF THE REACH OF CHILDREN**

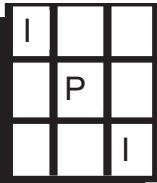
**DO NOT MIX WITH OTHER CHEMICALS**

**COULD BE HARMFUL IF SWALLOWED**

**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.



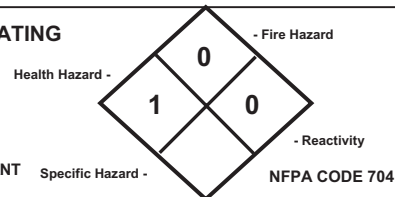
**IOWA  
PRISON  
INDUSTRIES**

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

Date Prepared: 3/1/97  
Supersedes Date: 4/1/94

**HAZARD RATING**

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



**SECTION 1 - PRODUCT IDENTIFICATION**

Manufacturer Name IOWA PRISON INDUSTRIES	Emergency Telephone No. (515) 967-7651
Address 300 Elm St. SW, Mitchellville, Iowa 50169	
Trade Name- <b>LIME AND SCUM REMOVER</b>	Product Type-
Chemical Family-	Formula- Proprietary Blend

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL NAME / COMMON NAME	CAS. NO	PERCENT (optional)	OSHA STANDARDS	ACGHI GUIDELINES
Trisodium Nitrilotriacetate	5064-31-3		NE	NE

**SECTION 3 - PHYSICAL DATA**

Boiling Point (°F) 212	Specific Gravity (H2O = 1.0) 1.16	pH- 13
Vapor Pressure- (mmHg) As water	Vapor Density ( Air = 1) As water	
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 Butylacetate) <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		
Appearance and Odor- Clear liquid with no odor		

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flash Point- (T.C.C.) Non Combustable <input type="checkbox"/> None to Boiling	Flammable Limits-NA	Upper- NA	Lower- NA
Extinguishing Media- Suitable to origin of fire. Water, foam, dry chemical, CO2			
Special Fire Fighting Procedures- NA			
Unusual Fire and Explosion Hazards- NA		Physical Hazards- Corrosive	

**SECTION 5 - REACTIVE DATA**

Stability- Stable	Incompatibility- Aluminum and zinc metal react to release hydrogen
Hazardous Decomposition Products- None	

**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)- May cause severe eye irritation, burns. Skin irritation. Burns to G.I. tract. If ingested in large quantity, may cause hypocalcemic tetany with spontaneous recovery.
Signs and Symptoms of Over-Exposure (Chronic)- None known
Medical Conditions Aggravated by Over-Exposure- Pre-existing skin conditions may be aggravated.
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 with water for 15 minutes. Contact a physician.
Skin: Wash with plenty of water and soap.
Ingestion: Call physician. Drink large amounts of water or milk. DO NOT INDUCE VOMITING!
Inhalation: Remove to fresh air. If breathing stops, administer artificial respiration and contact physician.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

Respiratory Protection- Not normally required	
Ventilation Requirements- <input checked="" type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/> Other- Normal ventilation is usually adequate	
Protective Gloves- Rubber recommended	Eye Protection- Safety goggles recommended
Other Protective Clothing-	

**SECTION 9 - SPILL OR LEAK PROCEDURES**

Steps to be Taken if Released or Spilled- Collect with non-slip absorbent and pack for disposal.
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- Do not store in contact with aluminum, zinc, copper or other alloys.
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