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FOAMING ACID CLEANER

High Foaming Non-Alkaline Cleaner and Brightener For Institutional use only

- Biodegradable
- Dissolves soap scum and body oil
- Removes mineral deposits and hard water marks
- Self-foaming formulation clings to vertical and irregular surfaces
- Contains Phosphoric Acid
- Non-Combustible
- Brightens stainless steel
- Effective in hot or cold water

DIRECTION FOR USE:

Foam Spray Application

1. Fill plastic reservoir bottle of the Foamer applicator with this undiluted non-alkaline cleaner.
2. For thick, rich, voluminous foam, this product should be applied using a 1-12 dilution (10.66 ounces per gallon). For other application equipment, adjust to provide the desired density of foam for optimum cleaning efficiency.
3. Apply foam using hot or cold water to washable surfaces such as walls, equipment, fixtures or floors, and allow foam to soak several minutes. For heavy soil accumulation surface agitation and higher temperature may be required.
4. Rinse thoroughly with clear water from high pressure sprayer or hose nozzle.

For Mopping and General Cleaning

1. Dilute 1 part concentrate with 1 to 12 parts water depending on soil accumulation.
2. Apply liberally and allow to soak for several minutes. Scrub if needed.
3. Squeegee or pick up dirty solution.
4. Rinse thoroughly.

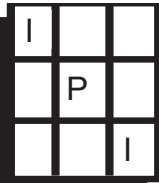
WARNING

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.

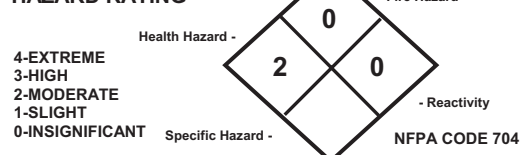


**IOWA
PRISON
INDUSTRIES**

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

Date Prepared: 5/8/97
Supersedes Date: 3/1/97

HAZARD RATING



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- FOAMING ACID CLEANER	Product Type- Compound Cleaning Liquid
Chemical Family-	Formula- Proprietary Bend

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME / COMMON NAME	CAS. NO	PERCENT (optional)	OSHA STANDARDS	ACGHI GUIDELINES
*Phosphoric acid	7664-38-2	11.4 - 12.6	1mg/m ³	1mg/m ³
* Section 313 Supplier Notification				

The toxic chemical(s) listed above which are marked with an (*) are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know act of 1986 and of 40 CFR 372

SECTION 3 - PHYSICAL DATA

Boiling Point (°F) 212	Specific Gravity (H2O = 1.0) 1.374	pH- <3.0
Vapor Pressure- NA	Vapor Density (Air = 1) NA	
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- (vsH2O) <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		
Appearance and Odor- Light pink, odorless.		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point- (T.C.C.) <input checked="" type="checkbox"/> None to Boiling	Flammable Limits-NA	Upper- NA	Lower- NA
Extinguishing Media- NA			
Special Fire Fighting Procedures- NA			
Unusual Fire and Explosion Hazards- Prolonged contact of phosphoric acid with metal may liberate hydrogen, a flammable gas.			
Physical Hazards- Corrosive			

SECTION 5 - REACTIVE DATA

Stability- Stable	Incompatibility- Strong caustics
Hazardous Decomposition Products- Carbon monoxide, carbon dioxide, phosphoric oxide 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)- Skin contact may cause irritation or burns, Eye burns expected upon direct contact. Breathing of mist and/or vapors may cause respiratory irritation. Ingestion may cause severe internal irritation.
Signs and Symptoms of Over-Exposure (Chronic)- Prolonged skin contact may cause redness, burning. Direct eye contact causes burns.
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 plenty of water for 15 minutes, lifting upper and lower lids occasionally. Get medical attention.
Skin: Wash with mild soap and water. Remove contaminated clothing and laundry before reuse.
Ingestion: DO NOT INDUCE VOMITING! If conscious, give large amounts of water. Call physician immediately.
Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult. Get medical attention.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection- NIOSH/MSHA approved respirator must be used when vapor or mist concentrations exceed the TLV.	
Ventilation Requirements- <input type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/> Other-	
Protective Gloves- Rubber	Eye Protection- Goggles or safety glasses
Other Protective Clothing- Chemical protective apron and rubber boots.	

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled- Small spills-Neutralize with soda ash and flush to sanitary sewer with plenty of water. Large spills-Contain spill. Dike to prevent spreadig. Pump to salvage tank.
Waste Disposal Methods- In accordance with local, state, and federal regulations and 40 CFR

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage- Store and handle only in containers made of polyethylene or 316 ELC stainless steel. Store in cool dry, well ventilated area.
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