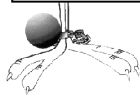
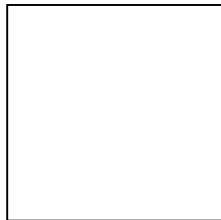


I  
O  
W  
A  
P  
R  
I  
S  
O  
N  
I  
N  
D  
U  
S  
T  
R  
I  
E  
S



# WAREWASH DEGREASER

## Heavy-Duty Kitchen Degreaser and Cleaner

### GENERAL DESCRIPTION:

Warewash Degreaser is a heavy-duty kitchen degreaser and cleaner providing quick and easy removal of even the toughest greasy kitchen soils. This alkaline cleaner contains solvents that cut through grease and soap scum, and prevents soils from re-depositing on surfaces.

### DIRECTIONS FOR USE:

Recommended for Institutional use only.

Warewash Degreaser may be applied as a foaming "spray and wipe" cleaner or a moderately foaming cleaner through a foaming trigger sprayer. Ideal for use in mop buckets or pails. Dilution rate of 2 oz. of product to 128 oz. of water. Warewash Degreaser is not a soft metal safe product.

### VERSATILE:

This grease cutting formula is best for hoods, ovens, grills, floors, walls, dishmachine exteriors, and other painted or unpainted surfaces where food soils may accumulate.

### HIGH STRENGTH FORMULA:

Designed as a heavy-duty soil remover, Warewash Degreaser can also be used as a light-duty all-purpose cleaner.

### BIODEGRADABLE:

A complete surfactant formulation makes Warewash Degreaser fully biodegradable.

### FOAMING:

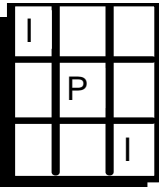
May be dispensed as either a foaming or moderately foaming cleaner.

**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.



**IOWA  
PRISON  
INDUSTRIES**

**MATERIAL SAFETY DATA SHEET**

(Prepared According to 29 CFR 1910.1200)

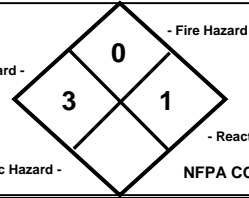
Date Prepared: 8/1/06  
Supersedes Date: 9/24/03

**HAZARD RATING**

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

Health Hazard -

Specific Hazard -



- 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- <b>WAREWASH DEGREASER</b>	Product Type- All Purpose Kitchen Cleaner/Degreaser
Chemical Family- Base or alkaline	Formula- Proprietary Blend

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL NAME / COMMON NAME	CAS. NO	PERCENT (optional)	OSHA STANDARDS	ACGIH GUIDELINES
Sodium metasilicate	6834-92-0	3.0 - 7.0	N.AV.	N.AV.
Trisodium nitrilotriacetate	5064-31-3	1.0 - 5.0	N.AV.	N.AV.
2-Butoxyethanol	111-76-2	1.0 - 5.0	50 PPM TWA-SKIN	20 PPM TWA

**SECTION 3 - PHYSICAL DATA**

Boiling Point (°F) 212	Specific Gravity (H2O = 1.0) 1.050	pH- Above 13.0
Vapor Pressure- N.AV.	Vapor Density ( Air = 1) N.AV.	
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) <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		
Appearance and Odor- Clear red, non-viscous liquid, solvent odor.		

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

Flash Point- (T.C.C.) <input checked="" type="checkbox"/> None to Boiling	Flammable Limits- Upper- NONE Lower- NONE
Extinguishing Media- Water, foam, CO2, dry chemicals	
Special Fire Fighting Procedures- Basic solution- attacks reactive metals. Wear full protective gear to prevent skin contact and self-contained breathing apparatus	
Unusual Fire and Explosion Hazards- Heat or fire may release oxides of carbon and other toxic and irritating fumes. Physical Hazards- Corrosive	

**SECTION 5 - REACTIVE DATA**

Stability- Yes	Incompatibility- Avoid mixing directly with any other cleaning product. Avoid mixing directly with acids and bleach. Avoid various metals (aluminum, zinc, tin, brass or bronze) which can generate flammable hydrogen gas. Mix only with water.
Hazardous Decomposition Products- Fire or mixing with bleach may cause release of chlorine gas, oxides of sulfur and other toxic and irritating fumes.	

**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)- Corrosive. Causes skin burns. Causes eye burns. May cause permanent damage including blindness without immediate first aid treatment. Harmful or fatal if swallowed. Inhalation of mists may cause corrosive effects to nose, throat, and respiratory system.
Signs and Symptoms of Over-Exposure (Chronic)- None known.
Medical Conditions Aggravated by Over-Exposure- Any respiratory or skin condition.
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: Immediately flush eyes with running water for at least 15-20 minutes, keeping eyelids open. Get medical attention.
Skin: Immediately flush with plenty of water for at least 15-20 minutes. Remove and wash contaminated clothing and footwear before re-use. Get medical attention.
Ingestion: Give a cupful of water or milk. Then immediately contact a physician or poison center. Do not induce vomiting unless directed to do so by medical personnel. <u>never give anything by mouth to an unconscious person.</u>
Inhalation: If breathing is affected: remove to fresh air. Get medical attention.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

Respiratory Protection- None usually required.	
Ventilation Requirements- General room ventilation is typically adequate. <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other-	
Protective Gloves- Neoprene, chemical-resistant	Eye Protection- Safety goggles and an eye-wash station.
Other Protective Clothing- Chemically impervious clothing and safety shower.	

**SECTION 9 - SPILL OR LEAK PROCEDURES**

Steps to be Taken if Released or Spilled- Evacuate unprotected personnel from area. Wear proper protective equipment including rubber boots. Ventilate area if needed. Stop leak if you can do so without risk. Dike or dam large spills. Avoid direct discharge to sewer and surface waters. Pump or scoop to container or soak up with non-combustible inert absorbent materials. After spill collection, rinse area with water and follow with normal clean-up procedures. Be careful as spills are slippery.
Waste Disposal Methods- Undiluted product is regulated under environmental and transportation laws as a corrosive waste (RCRA Class D002). Dispose of according to all federal, state, provincial and local laws and regulations. Consult state and local authorities for restrictions on disposal of chemical waste. Manage chemical wastes through an approved waste treatment facility. Do not reuse empty container. Rinse empty container thoroughly with water before discarding container in accordance with current local community codes. Please recycle empty container whenever possible.

**SECTION 10 - STORAGE AND HANDLING INFORMATION**

Precautions to be Taken in Handling and Storage- <b>HANDLING:</b> Follow all label directions. Instruct personnel about proper use, hazards, precautions, and first aid measures. Avoid inhalation, ingestion, and contact with skin, eyes and clothing. Do not taste or swallow. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain in empty containers. Handle carefully to avoid damaging container. <b>STORAGE:</b> Rotate stock regularly. Keep container closed when not in use. Avoid temperatures below 35°F or above 120°F. Protect from freezing. Storage at ambient temperatures in a dry area out of direct sunlight is recommended. Keep away from food and drink. Keep out of children's reach.
---

N.A.P. = Not applicable. N.A.V. = Not available. NE = Not established.