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GLASS CLEANER

DESCRIPTION:

An excellent hard surface cleaner for glass, windows, mirrors, and display cases. It does not streak, evaporates quickly and leaves no residue. Also effective in the removal of light soils from aluminum and stainless steel.

DO NOT USE ON BRASS, COPPER OR BRONZE

DIRECTIONS FOR USE:

Using a fine spray, spray four to six inches from surface to be cleaned. Spray on sparingly, wipe clean. A brush or squeegee may also be used for tough cleaning jobs.

STORAGE AND HANDLING:

Store between 40 and 100 degrees F.
Keep from freezing.

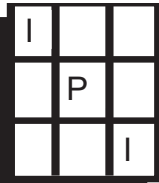
WARNING

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.

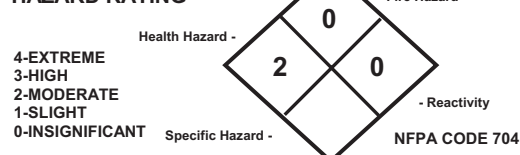


**IOWA
PRISON
INDUSTRIES**

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

Date Prepared: 3/23/04
Supersedes Date: 12/2/97

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- **GLASS CLEANER** Product Type-
 Chemical Family- Formula-

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME / COMMON NAME	CAS. NO	PERCENT (optional)	OSHA STANDARDS	ACGIH GUIDELINES
Ammonia	7664-41-7		50 PPM	25 PPM
Glycol ethers (2-Butoxyethanol)	111-76-2		25 PPM	25 PPM

SECTION 3 - PHYSICAL DATA

Boiling Point (°F) 212 Specific Gravity (H2O = 1.0) 1.001 pH- 10.8 ± 0.3
 Vapor Pressure- Ammonia, Less than 15@68°F Vapor Density (Air = 1) Ammonia less than 1
 Solubility in Water- Complete Insoluble Emulsifiable (or dispersible) Slight (or partial)
 Evaporation Rate- <1 Faster Slower About the Same
 Appearance and Odor- Dark blue liquid, butyl and/or ammonia odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point- None to Boiling Flammable Limits- Upper- NA Lower- NA
 Extinguishing Media- Not applicable
 Special Fire Fighting Procedures- None
 Unusual Fire and Explosion Hazards- None Physical Hazards- None

SECTION 5 - REACTIVE DATA

Stability- Stable Incompatibility- Strong acids
 Hazardous Decomposition Products- Ammonia, nitrogen oxides upon thermal decomposition

SECTION 6 - HEALTH HAZARDS

Primary Routes of Exposure- Eye Skin Oral Inhalation Other-
 Signs and Symptoms of Over-Exposure (Acute)- Skin contact may cause irritation. Eye contact can cause irritation, corneal edema. Prolonged eye exposure may produce permanent damage. Ingestion may cause gastrointestinal irritation. Inhalation of vapors may cause respiratory tract irritation. Prolonged exposure may cause difficulty in breathing, pulmonary edema. Prolonged skin contact may cause burns and blisters.
 Signs and Symptoms of Over-Exposure (Chronic)- Same as Acute
 Medical Conditions Aggravated by Over-Exposure- Skin irritation seen as redness, itching, and inflammation. Eye irritation may result in pain, redness. Ingestion may cause pain of the mouth, throat, and abdomen; coughing, followed by nausea, vomiting, and diarrhea. Inhalation may result in dizziness, drowsiness, and difficulty in breathing.
 Carcinogen or Suspect Carcinogen Ingredients- NTP IARC OSHA NONE

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with large amounts of water for 15 minutes lifting upper & lower lids occasionally. Get medical attention.
 Skin: Wash with mild soap and water. Remove contaminated clothing and launder before reuse.
 Ingestion: DO NOT induce vomiting. Drink large amounts of water. Keep person warm, quiet, and get immediate medical attention.
 Inhalation: If affected, remove to fresh air. Administer oxygen if breathing is difficult.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection- Use NIOSH/MSHA approved respiratory protection if TLV(s) is exceeded.
 Ventilation Requirements- Local Exhaust Mechanical Other-
 Protective Gloves- Recommended Rubber Eye Protection- Recommended
 Other Protective Clothing- None

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled- Absorb on solid absorbent and shovel into containers for disposal. Reportable Quantity (RQ) for Aqua Ammonia is 1000 lbs.
 Waste Disposal Methods- Dispose according to Federal, State, and Local Laws and 40 CFR.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage- Store between 40° and 100°F