

# BIG HOUSE

## PRODUCTS

Correctional Industries

"Teaching Inmates to Work in Pennsylvania"

Department of Corrections  
Bureau of Correctional Industries  
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# MATERIAL SAFETY DATA SHEET

ISSUE DATE: 12/01/02

## SECTION I

EMERGENCY TELEPHONE NUMBER(S)  
(814) 643-2400 Ext. #204

IDENTITY  
TOILET BOWL CLEANER CONCENTRATE TBC-1

INGREDIENTS/CHEMICAL NAME  
BROSYN I-7, PHOSPHORIC ACID (EDIBLE CLASS), CITRIC ACID 50% (EDIBLE CLASS)

OTHER  
WATER

## SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS INGREDIENTS AS DEFINED BY OSHA 29 CFA 1910 1200

CHEMICAL NAME	COMMON NAME	CAS NO.	ACGIH TLV	OSHA PEL	OTHER LIMITS RECOMMENDED
Phosphoric Acid		7664-38-2	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup> STEL
Citric Acid		77-92-9	N.K.	N.K.	
	Brosyn I-7	34398-01-1	not determined	not determined	

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (°F)	212 <sup>o</sup>	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.20
VAPOR PRESSURE (mm Hg)	N.K.	PERCENT VOLATILE BY VOLUME (%)	74%
VAPOR DENSITY (AIR = 1)	N.K.	EVAPORATION RATE (nBuOAc = 1)	Same as Water
SOLUBILITY IN WATER	Complete	APPEARANCE CODE	Clear Amber Liquid

## SECTION IV – FLAMMABILITY AND REACTIVITY

FLASH POINT (METHOD USED) None	EXPLOSIVE LIMITS N.A.	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA	Not combustible. Use agents appropriate for materials surrounding fire. Wear protective clothing and NIDSH/MSHA approved positive pressure self-contained breathing apparatus.		
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE HAZARDS Will liberate flammable Hydrogen Gas upon contact with many metals. Cool containers to prevent pressure build-up.			
STABILITY	UNSTABLE	CONDITIONS TO AVOID	
	STABLE X		
INCOMPATIBILITY (Materials to avoid) Reacts vigorously with alkali generating heat. Avoid contact with metal.			
HAZARDOUS DECOMPOSITION/BY PRODUCTS Heating generated toxic phosphorus pentoxide.			
HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID Excessive Heat	
	WILL NOT OCCUR X		

## SECTION V – HEALTH AND SAFETY DATA

**ROUTE(S) OF ENTRY**

Corrosive liquid. Keep off skin and eyes. Do not ingest. Inhalation not a likely situation unless mist or spray generated.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Strongly irritating and corrosive to skin and eyes. If misted or sprayed may cause irritation of respiratory tract. If ingested will cause burns to mouth. Corrosivity is main acute (immediate) hazard. No known chronic hazards.

**SIGNS AND SYMPTOMS OF EXPOSURE**

Same as above

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

None Known.

**EMERGENCY AND FIRST AID PROCEDURES**

**Eyes:** Flush eyes immediately with water holding eyelids open for 15 minutes.

**Skin:** Flush with cool water. Remove contaminated clothing.

**Inhalation:** Move to fresh air. Administer oxygen if breathing is difficult.

**OTHER**

**Ingestion:** Do not induce vomiting. Administer large quantity of milk or water

## SECTION VI – PRECAUTION FOR SAFE HANDLING AND USE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store away from heat and strong alkalis. Wear protective clothing. Do not eat, drink, smoke or apply cosmetics while handling.

**OTHER PRECAUTIONS**

Availability of a water source or safety shower and eye wash recommended when using.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Wear protective clothing. Stop leak at source. Soak up small spills with absorbent. Place in plastic or lined metal containers. May be neutralized with Sodium Carbonate or Bicarbonate.

**WASTE DISPOSAL METHOD**

Submit to an approved chemical disposal service for disposal in accordance with State, Federal and Local regulations.

## SECTION VII – SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (Specify type)**

Use NIOSH/IMSHA approved respirator for areas where airborne exposure is possible.

**VENTILATION**

**LOCAL EXHAUST**

Yes

**MECHANICAL (General)**

Yes

**SPECIAL**

**OTHER**

**EYE PROTECTION**

Goggles

**PROTECTIVE GLOVES**

Rubber or Neoprene

**OTHER PROTECTIVE EQUIPMENT**

Eye wash and safety shower

- N.A. – NOT APPLICABLE
- N.K. – NOT KNOWN

THE SUBMISSION OF THIS MSDS MAY BE REQUIRED BY LAW. BUT THIS IS NOT AN ASSERTION THAT THE SUBSTANCE IS HAZARDOUS WHEN USED IN ACCORDANCE WITH PROPER SAFETY PRACTICES AND NORMAL HANDLING PROCEDURES. DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH.