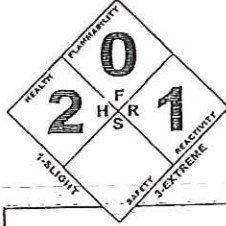


NFPA RATING
0 = none to
4 = hazardous rating



Clothes-Out™ Laundry Bleach S-3100-D/E/06056-001

DATE PREPARED: 12/00
DATE REVISED: 03/29/10
page 1 of 4

MATERIAL SAFETY DATA SHEET (MSDS)

EPA NO.: 34910-20001-56177

SECTION I - PRODUCT IDENTIFICATION



PEN Products
Indiana Department of Correction
2010 E New York Street
Indianapolis, Indiana 46201

Toll Free: (800) PEN-2550
Direct: (317) 955-6800

24-Hour Emergency Number - Chemtrec (800) 424-9300

Trade Name: **Clothes-Out™ Laundry Bleach**
Sodium Hypochlorite 12.5%

HMIS Hazard Ratings:	
Health:	2
Flammability:	0
Reactivity:	1
PPE	

SECTION II - INGREDIENTS AND HAZARDS

Components	CAS #	Percent by Weight	OSHA TWA (ppm)	NIOSH STEL (ppm)
Sodium Hypochlorite	7681-52-9	12.5%	-	-

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	100 C for 15% NaOCl	Vapor Pressure (mm Hg):	Vapor Pressure of water plus decomposition product vapor pressure
Vapor Density (Air=1):	No Data	Solubility in Water:	Complete
Appearance and Odor:	Light yellow-green, pungent odor like chlorine	Specific Gravity (H ₂ O=1):	1.2
Volatiles, % by Weight:	Not Applicable	Evaporation Rate:	Not Applicable

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
Flammable Limits: Not Applicable

LEL: NA
UEL: NA

Extinguishing Media: Suitable for surrounding fire

Special Fire Fighting Procedures: Avoid fumes from spilled or exposed liquid, dilute copiously, ventilate and be prepared to use respiratory protection if needed. Acid contamination will produce very irritating fumes similar to chlorine gas.

Unusual Fire and Explosion Data: Bleach decomposes when heated; decomposition products may cause containers to rupture or explode. Vigorous reaction possible with organic materials or oxidizing agents; may result in a fire.



SECTION VI - HEALTH HAZARD DATA CONTINUED...

- Inhalation: Remove victim to fresh air. If breathing has stopped, give artificial respiration. If breathing difficult, give oxygen, if qualified. Get medical attention.
- Ingestion: If accidentally swallowed, drink water, milk, and obtain immediate medical attention. Do not use baking soda or acidic antidotes.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Use appropriate protective equipment, including respiratory protection. Collect all free liquid or flush with water to dilute as much as possible. Reduce with bisulfites or ferrous salt solutions. Note: This will produce some heat. Do not allow material to enter waterways or sewers without permission from regulatory authority. Avoid heat and contamination with acid materials. Do not use combustible materials such as sawdust to absorb hypochlorite.

Waste Disposal Method: Observe all local, state, and federal regulations. Contact local EPA representative agency for additional information.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: When fumes are present use NIOSH approved respirator with acid type canister or self contained breathing apparatus. Situation and concentration will dictate required equipment.

Ventilation: No special ventilation required unless bleach is exposed to decomposition conditions; i.e. spills or acidic conditions.

- Local Exhaust: To maintain exposure below PEL or TLV.
- Special: Not Applicable.
- Mechanical
(General): To maintain exposure below PEL or TLV.
- Other: Not Applicable.

Protective Gloves: Use rubber or plastic gloves.

Eye Protection: Use chemical resistant goggles. Use in vicinity of emergency eyewash/safety shower.

Other Protective Clothing or Equipment: Use rubber apron or other appropriate equipment to protect body from splashing conditions. Use rubber protective shoes if spills occur.

Hygienic Work Practices: Wash thoroughly after handling.

SECTION IX - SPECIAL PRECAUTIONS AND COMMENTS

Storage and Handling Information: Store in vented, closed, clean, non-corrosive containers in a cool, dry, well-ventilated area away from direct sunlight and not adjacent to chemicals which may react with bleach if spillage occurs. If shipped, must comply with DOT, etc. shipping regulations. If closed containers becomes heated, the containers should be vented to release decomposition products (mainly oxygen under normal decomposition). Do not mix or contaminate with ammonia, hydrocarbons, acids, alcohol, ethers.