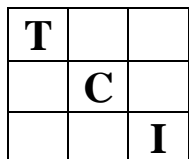


MATERIAL SAFETY DATA SHEET



Texas Correctional Industry

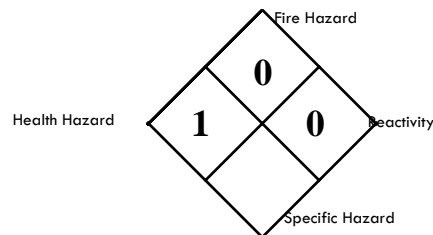
A division of the  
Texas Department of Criminal Justice

**Date Issued:** February 2008

**Supersedes:** January 2004

NFPA HAZARD RATING

- 4-** SEVERE
- 3-** SERIOUS
- 2-** MODERATE
- 1-** SLIGHT
- 0-** INSIGNIFICANT



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Sav-Ray

**General Use:** Liquid vehicle pressure washing  
**Manufacturer Name:** Texas Correctional Industry  
Soap & Detergent Plant  
One Circle Drive  
Sugar Land, Texas 77478

**Emergency Telephone Numbers**

Galveston Texas Poison Control: **1-800-764-7661**  
Soap & Detergent Plant Lab: 281-490-1111  
MSDS available at: [www.tci.tdcj.state.tx.us](http://www.tci.tdcj.state.tx.us)  
Monday thru Thursday: 7 a.m. - 3 p.m.

SECTION 2 - HAZARDOUS INGREDIENT

Chemical/Common Name	CAS No.	PERCENT	ACGIH/OSHA (TWA)		WHMIS
			TLV	PEL	
Sodium Metasilicate	6834-92-0	12 - 14	N/D	3 mg/m <sup>3</sup>	1%
Sodium Sesquicarbonate	533-96-0	54 - 58	15 ppm	N/D	N/D
Sodium Tripolyphosphate	7758-29-4	10 - 12	5 mg/m <sup>3</sup>	N/D	N/D
Ethylene glycol monobutyl ether	111-76-2	3 - 4	25 ppm	121 mg/m <sup>3</sup>	N/D
Sodium Hydroxide	1310-73-2	< 1	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	1%

N/A= Not Applicable

N/D = Not Determined

Threshold Limit Values (TLV): TWA (time-weighted average for 8 hr. day); PEL (personal exposure limit)

WHMIS – minimum amount necessary in a mixture to trigger reporting: 1% (hazardous chemical); 0.1% (extremely hazardous chemical)

SECTION 3 - PHYSICAL PROPERTIES

Vapor Pressure : N/D  
Specific Gravity (water = 1) : N/D  
Solubility in Water : Complete  
pH (5% aqueous solution) : 11.2 – 11.6  
Boiling Point : N/A  
Appearance and Odor : White to off white granular powder

SECTION 4 - FIRE AND HAZARD DATA

Flash Point (T.C.C.) : Nonflammable  
Flammable Limit : N/D  
Physical Hazard : Higher pH determines a slightly corrosive mixture note.  
Extinguishing Media : Water and foam  
Fire Extinguishing Procedure : Use of respiratory equipment is recommended in enclosed areas.  
Fire and Explosive Hazard : N/D

## SECTION 5 - REACTIVE DATA

Hazardous Decomposition : Oxides of carbon and nitrogen  
Stability : Stable  
Incompatibility : Inorganic acids

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## SECTION 6 - HEALTH HAZARD

Primary Route of Exposure : Eyes, Skin, Oral, or Inhalation  
Signs and Symptoms of Over Exposure (acute)  
Eyes : May cause eye irritation or injury  
Skin : Contact may cause irritation; avoid exposure  
Ingestion : May cause gastrointestinal irritation; Do not ingest this product  
Inhalation : Dust protection should not be necessary; Do not inhale this product

Signs and Symptoms of Over Exposure (chronic) : None known  
Medical condition aggravated by over exposure : Not known  
Carcinogen or suspect of carcinogen ingredients : None

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## SECTION 7 - EMERGENCY AND FIRST AID PROCEDURE

Eyes : Do not get in your eyes. Flush with plenty of water for 15 minutes, until irritation subsides.  
Skin : Immediately brush off any excess and flush skin with large quantities of water; seek medical attention if irritation develops  
Ingestion : Rinse mouth thoroughly. Drink plenty of water; do not induce vomiting; Contact a physician immediately.  
Inhalation : Do not breathe dust. Move exposed individual to fresh air.

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## SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection : Use an appropriate respirator approved for dust if product dust exceeds exposure limits.  
Ventilation Requirement : Yes  
Protective Gloves : Nitrile  
Eye Protection : Chemical goggles

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## SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be taken if released or spilled : Gather all materials practical for salvage or disposal. Rinse residue with water.  
Waste disposal method : Any unsalvageable material must be disposed in compliance with local, state, and federal laws and regulations.

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## SECTION 10 - STORAGE AND HANDLING

- Store in a cool dry ventilated area. Observe Building Code and NFPA storage requirements.
- Keep container sealed/closed when not in use. Avoid dust formation.

Note: Product should be used as directed on the label. No warranty is implied expressly or otherwise regarding the accuracy of the information in the product's suitability for the consumer's use and the outcome of its use. The technical accuracy of the information submitted herein is based on the data submitted to TCI by the manufacturers for the materials used in this finished product.