

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (as Used on Label and List)  
SANTEEN DELIMER & TOILET BOWL CLEANER

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name: SANTEEN PRODUCTS COMPANY

Address (Number, Street, City, State and ZIP Code):  
1321 7th Street South  
Hopkins, Minnesota 55343

Emergency Telephone Number: INFOTRAC 1-800-535-5053

Telephone Number for Information: 952-935-4500

Date Prepared: October 10, 2005

Signature of Preparer (optional):

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))

	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hydrochloric Acid CAS# 7647-01-0	5 ppm	5 ppm	n/a	24

Subject to the reporting requirements of Sec.313 of SARA Title III of 40 CFR 372

Section III—Physical/Chemical Characteristics

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	1.087
Vapor Pressure (mm Hg)	N/D	Melting Point	n/a
Vapor Density (AIR = 1)	N/D	Evaporation Rate (Butyl Acetate = 1)	n/a
Solubility in Water	Complete 100%		
Appearance and Odor	Clear to milky-yellow white liquid - very slight acid odor		

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used): None

Flammable Limits: N/A | LEL: N/A | UEL: N/A

Extinguishing Media: Use water, fog, foam or CO<sub>2</sub> extinguishing media

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turn out gear

Unusual Fire and Explosion Hazards: Unusual Hazards: None. Flammable and potentially hydrogen gas can be generated from reaction with some metals

Reproduce locally)

OSHA 174 Sept. 1985

HAZARD RATING		
HEALTH	3	0 - Minimal
FLAMMABILITY	0	1 - Slight
REACTIVITY	0	2 - Moderate
		3 - Serious
		4 - Extreme

**Section V—Reactivity Data**

Stability	Unstable		Conditions to Avoid	Extremes in temperatures
	Stable	X		
Incompatibility ( <i>Materials to Avoid</i> )				
Avoide contact with alkaline (caustic) materials				

**Hazardous Decomposition or Byproducts**

Hazardous Polymerization	May Occur		Conditions to Avoid	Hydrogen chloride, acid vapors
	Will Not Occur		X	

**Section VI—Health Hazard Data**

Route(s) of Entry                      Inhalation?    yes                      Skin?    yes                      Ingestion?    yes

Health Hazards (*Acute and Chronic*) ACUTE: Eyes - can cause irritation SKIN - can cause irritation

INGESTION - can cause gastrointestinal disturbances. CHRONIC: None Known

Carcinogenicity                      NTP?    n/a                      IARC Monographs?    n/a                      OSHA Regulated?    n/a

Signs and Symptoms of Exposure    Can cause irritation to eyes, nose, throat and skin

Medical Conditions  
Generally Aggravated by Exposure    None Known

**Emergency and First Aid Procedures**

GET IMMEDIATE MEDICAL ATTENTION. Inhalation: Remove to fresh air. Eyes: flush with water for 15 min. Skin: wash area with soap and water. Ingestion: dilute with water DO NOT INDUCE

**Section VII—Precautions for Safe Handling and Use**

VOMITING

**Steps to Be Taken in Case Material is Released or Spilled**

Dilute with water and neutralize with soda ash or lime

Waste Disposal Method    In accordance with local, state, and federal regulations.

Precautions to Be Taken in Handling and Storing    Keep out of reach of children, keep containers closed, store in a cool, dry well ventilated area away from alkaline (caustic) materials

Other Precautions    Never combine with other chemicals

**Section VII—Control Measures**

Respiratory Protection (*Specify Type*)    Use self-contained breathing apparatus in inadequately ventilated area

Ventilation	Local Exhaust	if general is inadequate	Special	None
	Mechanical (General)	Normal ventilation	Other	None

Protective Gloves	Rubber or PVC	Eye Protection	Face shield or safety glasses
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Other Protective Clothing or Equipment    Plastic covering for clothing and shoes

Work/Hygienic Practices    Observe good personal hygiene, wah hands before eating, avoide inhalation or Ingestion.