

Material Safety Data Sheet
 May be used to Comply with:
 OSHA's Hazard Communication Standard 29 CFR 1910
 Standard must be consulted for specific requirements

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory 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 Manufactures Name (Address, Street, City, & Zip Code) SANTEEN PRODUCTS COMPANY 1321 7 th Street South Hopkins, Minnesota 55343	Emergency Telephone Number	HEALTH 3	0-Minimal 1-Slight 2-Moderate 3-Serious 4-Extreme
	INFROTRAC 1-800-535-5053	FLAMMABILITY 0	
	Telephone Number for Information	REACTIVITY 0	
	(612) 935-4500		
	Date Prepared	Protective Equipment:	
Revised: 12/30/09	Goggles, Gloves,Synthetic Apron		

Section II Hazardous Ingredients / Identity Information	OTHER LIMITS %			
	OSHA PEL	ACGIH TLV	RECOMMENDED	(OPTIONAL)
Hydrochloric Acid CAS# 7647-01-0 Subject to the reporting requirements of Sec.313 of SARA title III of 40 CFR 372	5PPm	5PPm	N/A	23.00%

Section III Physical Chemical Characteristics					
Boiling Point	212°F	Specific Gravity (WATER=1)	1.087		
Vapor Pressure	N/D		Melting Point	N/A	
Vapor Density	N/D		Evaporation Rate	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	Flammable Limits	LEL	UEL	
None	N/A	N/A	N/A	
Extinguishing Media				
Use water fog, foam or CO2 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.				

Section V Reactivity Data				
Stability	Unstable	Conditions to Avoid		
		Extremes in temperatures		
	Stable			
	X			
Incompatibility (Materials to Avoid)	Avoid contact with alkaline (caustic) materials			
Hazardous Decomposition or Byproducts	Hydrogen chloride, acid vapors			

Hazardous Polymerization	May Occur	X	Conditions to Avoid	None
	Will Not Occur			

Section VI- Health Hazard Data

Route(s) of Entry	Inhalation?	yes	skin?	yes	ingestion?	yes
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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
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Signs and Symptoms of Exposure	Can cause irritation to eyes, nose, throat, and skin
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Medical Conditions Generally Aggravated	None Known
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Emergency and First Aid Procedures	Inhalation : remove to fresh air, get medical attention. Eyes: flush with water for 15 min. get medical attention. Skin: wash area with soap and water get medical attention. Ingestion: dilute with water. DO NOT INDUCE VOMITING. Get immediate medical attention.
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Section VII- Precautions For Safe Handling and Use

Steps to be taken in case Material is Released or Spilled	Dilute with water and neutralize with soda ash or lime.
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Waste Disposal	In accordance with local, state and federal regulations.
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Precautions to be taken in handling and storage	Keep out of reach of children, keep containers closed, store away from alkaline (caustic) materials.
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Other Precautions	Never combine with other chemicals, store in dry area
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Section VIII- Control Measures

Respiratory Protection (Specify Type)	In inadequately ventilated areas, use self-contained breathing apparatus			
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Ventilation	Local Exhaust	If general is inadequate Normal ventilation	Special	None
	Mechanical (general)		Other	None

Protective Gloves	Rubber or PVC
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Eye Protection	Face shield or safety glasses
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Other protective clothing or equipment	Plastic covering for clothing and shoes
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Work/ Hygienic Practices	Observe good personal hygiene, wash hands before eating, avoid inhalation or ingestion
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