

**MATERIAL SAFETY DATA SHEET**  
(Prepared According to 29 CFR 1910.1200)

#SA-165

<b>SECTION 1 - PRODUCT IDENTIFICATION</b>			
Distributor	Hesco Inc.	Emergency Phone	CHEMTREC 800-424-9300
Address	6633 N. Milwaukee Avenue, Niles, IL 60714		
Trade Name	Pro Bowl	Product Type	Bowl and Toilet Cleaner/Disinfectant
<b>SECTION 2 - INGREDIENTS</b>			
CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT(Optional)	TVL (Source)
Hydrogen Chloride	7647-01-0	9.5	5 ppm (ACGIH)
Amine Oxide	1643-20-5	1-5	
Nonionic Surfactant	9016-45-9	0-5	NE
Ethoxylated Amines	61791-26-2	1-5	
Didecyl Dimethyl Ammonium Chloride	7173-51-5	.05	100 ppm (ACGIH)
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	.05	
SARA HAZARD: TITLE III, SECTION 313: 9% Hydrogen Chloride			
<b>SECTION 3 - PHYSICAL DATA</b>			
Boiling Point(°F)	300°F	Specific Gravity (H <sub>2</sub> O = 1.0)	1.05 ±0.005
		pH	1.0-1.5 ±0.5
Vapor Pressure (mmHg)	20	Vapor Density (Air = 1)	N.A.
Solubility in Water	<input checked="" type="checkbox"/> Complete	<input type="checkbox"/> Insoluble	<input type="checkbox"/> Emulsifiable (or Dispersable) <input type="checkbox"/> Slight (or Partial)
Evaporation Rate (vs H <sub>2</sub> O)	<input type="checkbox"/> Faster <input checked="" type="checkbox"/> Slower	<input type="checkbox"/> About the same	Appearance and Odor Opaque blue liquid with mint fragrance
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>			
Flash Point (T.C.C.)	°F <input checked="" type="checkbox"/> None to Boiling	Flammable Limits	<input type="checkbox"/> Upper N.A. <input type="checkbox"/> Lower N.A.
Extinguishing Media	Select for surrounding material.		
Special Firefighting Procedures	Use self-contained breathing apparatus. Provide protection for surrounding materials.		
Unusual Fire and Explosion Hazards	Contact with metals will generate hydrogen gas.		
<b>SECTION 5 - REACTIVITY DATA</b>			
Stability	Stable	Incompatibility	Carbonates, alkalis, powdered metals, chlorine, amines, amides, phenols, cresoles
Hazardous Decomposition Products	Hydrogen gas; phosphorous oxides by thermal decomposition		
<b>SECTION 6 - HEALTH HAZARD DATA</b>			
Primary Routes of Exposure	<input checked="" type="checkbox"/> Eyes	<input type="checkbox"/> Skin	<input type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other
Signs and Symptoms of Overexposure (Acute)	Headaches, coughing, upper-respiratory irritation, skin irritation and burning of mucous membranes. Severe exposures may lead to chemical pneumonia.		
Signs and Symptoms of Overexposure (Chronic)	Prolonged and repeated skin contact can cause dermatitis and burning of mucous membranes.		
Medical Conditions Aggravated by Overexposure	Skin, eye and respiratory tract disorders.		
Carcinogen or Suspect Carcinogen Ingredients	<input type="checkbox"/> NTP	<input type="checkbox"/> IARC	<input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE
<b>SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES</b>			
Eyes	Flush with water for 15 minutes. Call a physician.		
Skin	Remove contaminated clothing, flush with water.		
Ingestion	Drink milk or water to dilute. Contact physician or Poison Control Center immediately.		
Inhalation	Remove to fresh air, restore breathing, give oxygen if necessary and contact physician.		
<b>SECTION 8 - SPECIAL PROTECTION INFORMATION</b>			
Respiratory Protection	If exposure limit is exceeded, use a full face respirator for acid gas and a dust/mist prefilter.		
Ventilation Requirements	<input checked="" type="checkbox"/> Local Exhaust	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other
Eye Protection	Safety glasses with splash shields		
Protection Gloves	Chemical resistant	Other Protection Clothing	As required to limit exposure.
<b>SECTION 9 - SPILL OR LEAK PROCEDURES</b>			
Steps to be Taken if Released or Spilled	Absorb with vermiculite or other absorbent.		
Waste Disposal Methods	Any method in accordance with federal, state and local authorities.		
<b>SECTION 10 - STORAGE AND HANDLING INFORMATION</b>			
Precautions to be Taken in Handling and Storage	Store in a well ventilated area. Keep container closed during storage. <b>KEEP OUT OF REACH OF CHILDREN.</b> For industrial and institutional use only.		

The health hazards given on this Material Safety Data Sheet apply to this product in the concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

NPCA  
HAZARD  
RATING

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	C

0 - Least  
1 - Slight  
2 - Moderate  
3 - High  
4 - Extreme

Date Prepared: September 29, 2001