

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: <b>MINNCOR Bowl Bright Bowl Cleaner</b>		WHMIS Classification: <b>SLIGHT</b>	
Product Use: <b>Toilet Bowl Cleaner</b>			
Manufacturer's Name: <b>MINNCOR Industries</b>		Supplies Name	
Street Address: <b>1450 Energy Park Dr. Suite 110</b>		Street Address	
City: <b>Paul</b>	St. <b>St.</b>	State <b>MN</b>	STATE
Postal Code: <b>55108</b>	Emergency Telephone: <b>1-800-370-6490</b>	Postal Code	Emergency Telephone
Date MSDS Prepared: <b>MARCH 2008</b>	MSDS Prepared by: <b>Green Touch Systems, LLC</b>		Phone Number: <b>1-800-370-6490</b>

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	LD <sub>50</sub> of Ingredient ( <i>specify species and route</i> )	LC <sub>50</sub> of Ingredient ( <i>specify species</i> )
PHOSPHORIC ACID (FOOD GRADE)	20	7664-38-2	9000 mg/kg	N/AV
CITRIC ACID (FOOD GRADE)	10	77-92-9	N/AP	N/AP
CARBOMER	5-10	N/AV	N/AV	N/AV
MALIC ACID (FOOD GRADE)	7	6915-15-7	N/AP	N/AP
WATER	63	7732-18	N/AV	N/AV

## SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input type="checkbox"/> inhalation <input checked="" type="checkbox"/> Ingestion
[Emergency Overview]	
[WHMIS Symbols]	
[Potential Health Effects]	
May cause burns to exposed tissue.	

## SECTION 4 - FIRST AID MEASURES

Skin Contact	Immediately flush with copious amounts of potable water. If irritation persists seek medical attention immediately.
Eye Contact	Flush with copious amounts of potable water. If irritation persists seek medical attention immediately.
Inhalation	
Ingestion	Rinse mouth with water. NO NOT INDUCE vomiting. Seek Medical Attention

**SECTION 5 - FIRE FIGHTING MEASURES**

Flammable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, under which conditions?	
Means of Extinction <b>As for surrounding Fire. Normal Fire - Fighting Procedures</b>			
Flashpoint (°C) and Method <b>NONE</b>	Upper Flammable Limit (% by volume) <b>N/AP</b>	Lower Flammable Limit (% by volume) <b>N/AP</b>	
Autoignition Temperature (°C) <b>N/AV</b>	Explosion Data - Sensitivity to Impact <b>N/AP</b>	Explosion Data - Sensivity to Static Discharge <b>N/AP</b>	
Hazardous Combustion Products <b>Can react with metals to produce hydrogen gas which is flammable.</b>			
[NFPA] <b>NONE</b>			

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Leak and Spill Procedures  
 Use appropriate safety equipment, dike area, collect for disposal.

**SECTION 7 - HANDLING AND STORAGE**

Handling Procedures and Equipment contact with metals, wear impervious clothing, use adequate ventilation.	Avoid
Storage Requirements cool, dry well ventilated area.	

**SECTION 8 - EXPOSURE CONTROL / PERSONAL PRETECTION**

Exposure Limits <input type="checkbox"/> N/AV <input checked="" type="checkbox"/> ACGIH TLV <input checked="" type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation enclosed process) <b>Normal ventilation</b>
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type <b>Rubber or neoprene                  Chemical splash goggles.                  Impervious footwear and clothing</b>

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State <b>Liquid</b>	Odour and Appearance <b>Blue vixcous liquid mint fragrance</b>	Odour Threshold (ppm) <b>N/AP</b>
Specific Gravity <b>1.3</b>	Vapour Density (air = 1)	Vapour Pressure (mmHg) <b>8.2</b>
Evaporation Rate <b>N/AV</b>	Boiling Point (°C) <b>&gt;100°C</b>	Freezing Point (°C) <b>&lt;0°C</b>
pH <b>3.0</b>	Coefficient of Water / Oil Distribution <b>N/AP</b>	[Solubility in Water]

### SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>	If yes, which ones? <b>Alkalis, reactive metals. Beach, ammonia</b>
Reactivity, and under what conditions? <b>Flammable hydrogen gas may be produced on contact with metals such as aluminum, tin, lead, zinc</b>	
Hazardous Decomposition Products <b>None</b>	

### SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Acute Exposure <b>toxic on skin, corrosive upon eye contact</b>	<b>Slightly</b>
Effects of Chronic Exposure <b>May cause burns to exposed tissue.</b>	
Irritancy of Product <b>contact with eyes / skin</b>	
Skin Sensitization	Respiratory Sensitization
Carcinogenicity -IARC <b>No</b>	Carcinogenicity - ACGIH <b>No</b>
Reproductive Toxicity <b>N/A</b>	Teratogenicity <b>N/A</b>
Embryotoxicity	Mutagenicity <b>No genetic change in standard test using bacterial cells.</b>
Name of Synergistic Products / Effects <b>N/A</b>	

**SECTION 12 - ECOLOGICAL INFORMATION**

Aquatic Toxicity      Mobility: N/A      Persistence: N/A      Bioaccumulative: N/A

Aquatic Toxicity: Acute fish toxicity. LD<sub>50</sub>=138 mg/L/96 hours. Mosquito fish

Acute Crustaceans Toxicity= N/A      Acute Algae Toxicity= N/A

BOD and COD = N/A. Other information: Material is practically non toxic to fish on an acute basis.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Waste Disposal

According to local, provincial and federal government requirements

**SECTION 14 - TRANSPORT INFORMATION**

Special Shipping Information

Normal procedures. Keep from freezing

PIN

TDG: N/AP

[DOT]

[IMO]

[ICAO]

**SECTION 15 - REGULATORY INFORMATION**

[WHMIS Classification] Class D Div 2 Materials  
causing other toxic effects. Class E  
Corrosive Materials



[OSHA]

[SERA]

[TSCA]

This product has been classified in accordance with the hazard criteria of the  
Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR

**SECTION 16 - OTHER INFORMATION**

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.