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\* M S D S \*  
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\* Canadian Centre for Occupational Health and Safety \*  
\* \* \* \* \* Issue : 95-1 (February, 1995) \*

\*\*\* IDENTIFICATION \*\*\*

MSDS RECORD NUMBER : 374336  
PRODUCT NAME(S) : GERMICIDAL BOWL CLEANER  
DATE OF MSDS : 1991-03

\*\*\* MANUFACTURER INFORMATION \*\*\*

MANUFACTURER : G H WOOD  
DIVISION OF ECOLAB LTD  
ADDRESS : 6200 TOMKEN ROAD  
MISSISSAUGA ONTARIO  
CANADA L5T 1X7  
Telephone: 905-795-2500  
EMERGENCY TELEPHONE NO. : 800-267-1373 (Medical, 24 hr Service)

\*\*\* MATERIAL SAFETY DATA \*\*\*

MATERIAL SAFETY DATA SHEET

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By the criteria of the CONTROLLED PRODUCTS REGULATION  
this material is NOT a CONTROLLED PRODUCT  
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I PRODUCT

Trade Name: GERMICIDAL BOWL CLEANER  
Form/Appearance: white opaque liquid with acid/evergreen odour  
TDG Shipping Name/Class: Corrosive liquid NOS (hydrochloric acid Class 8  
(PIN 1789)  
Recommended Use: acid cleaner/sanitizer for toilet bowls and urinals

II INGREDIENTS

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Hazardous Components, if any	LD50 / LC50	CAS	%
Hydrochloric acid	900mg/kg / 1562ppm (4 hr)	7646-01-1	10-30

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Other Ingredients:

Water	N.K. / N.K.	N.K.	40-70
Quaternary ammonium chloride	N.K. / N.K.	N.K.	<0.1
Opacifying agent	N.K. / N.K.	N.K.	1-5
Surfactants	N.K. / N.K.	N.K.	1-5
Methyl salicylate	N.K. / N.K.	N.K.	0.1-1
Corrosion inhibitor	N.K. / N.K.	N.K.	0.1-1

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III HEALTH HAZARD INFORMATION

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Hazard Rating: 0=insignificant 1=slight 2=moderate 3=high  
4=extreme  
Health: 3 Flammability: 0 Reactivity: 2 Special Warning: avoid  
skin  
contact

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Primary Route of (Entry) Exposure: EYES: - will cause severe irritation to  
mucous membranes of the eyes; permanent visual damage may occur.  
SKIN: - will cause severe burns; dermatitis and photosensitization may  
result  
from contact. INGESTION: - corrosion of mucous membranes, esophagus,  
stomach;  
dysphagia, nausea, vomiting, intense thirst, diarrhea; circulatory collapse  
and death may occur. INHALATION: - coughing, choking, inflammation and  
ulceration of the respiratory tract may occur.  
Acute/Chronic: corrosive

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IV FIRST AID

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with  
INHALATION: - Remove to fresh air. If not breathing, give artificial  
respiration. Give oxygen by qualified personnel if breathing is  
difficult. Get medical attention. EYES: - hold eyelids open and wash  
thoroughly with clean water for at least 15 minutes. Get medical  
assistance. SKIN: - Remove contaminated clothing immediately, flush  
clean water for at least 15 minutes. INGESTION: - DO NOT INDUCE  
VOMITING. Drink large amounts of milk or water. Consult physician  
immediately.

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V PHYSICAL DATA

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pH (conc): <0  
Boiling Point: 100 C  
Freezing Point: N.K. (below 0 C)

% Volatiles: 98%  
Solubility in Water: complete  
Specific Gravity: 1.10

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= VI FIRE/EXPLOSION DATA

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= Flash Point: non flammable  
Extinguishing Medium: non flammable

Special Procedures  
Protect fire-fighters against corrosive fumes and liquid if released

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= VII REACTIVITY DATA

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= Stable:  Unstable:   
Hazardous Polymerization: Will Occur:  Will Not Occur:

Hazardous Conditions to Avoid/Compatibility  
When heated, will release hydrogen chloride which is corrosive and extremely irritating. Reacts with most metals to produce hydrogen which may form explosive mixtures with air. Forms chlorine gas if mixed with chlorine bleaches. DO NOT mix with organic amines, oxides and polymerization monomers.

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= VIII SPILL OR WASTE DISPOSAL PROCEDURES

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= Spill Response  
Control spill with sand, clay or absorbent. Dilute with water to reduce fumes. Neutralize with soda ash, caustic soda or lime. Ventilate area to remove fumes. Protect metal equipment from acid. Rinse spill area thoroughly after disposal.  
Waste Disposal  
Dispose in landfill in accordance with local and/or Provincial regulations

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= IX SAFE HANDLING MEASURES

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= Eye Protection: use of safety glasses is recommended  
Protective Gloves: use of rubber or neoprene gloves and apron

Ventilation: forced air ventilation to control hydrochloric acid vapours  
below TLV

Other Measures

KEEP OUT OF REACH OF CHILDREN

Keep containers closed out of sunlight and away from direct sources of heat. Store containers away from metals and oxidizing materials. When diluting, always add acid to water, never add water to acid.

Date: March 1991

Prepared By: Technical Services

NK = Not Known

NA = Not Applicable