

**BOWL CLEAN****1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name: **BOWL CLEAN**  
Other Names: None  
Manufacturer's Product Code: BOW5, BOW20  
Product Use: Toilet and urinal cleaner

**SUPPLIER DETAILS**

Company: Agar Cleaning Systems Pty. Ltd.  
Address: 12-14 Cope Street, Preston, Vic. 3072  
Telephone: 03 9480 3000 Facsimile: 03 9480 5100  
Web: www.agar.com.au  
Agar MSDS are available from this website.  
E-mail: admin@agar.com.au

**Emergency Telephone Number: 131 126** (Aust wide)

**2 HAZARDS IDENTIFICATION**

**Hazardous according to criteria of Worksafe Australia.  
Irritant Xi**

**R36/38 Irritating to skin and eyes**

**S24/25 Avoid contact with skin and eyes.**

Bowl Clean becomes non-hazardous at concentrations below 90% in water.

**3 COMPOSITION / INFORMATION ON INGREDIENTS****Ingredients:**

Chemical Entity:	CAS No.:	Proportion:
organic acid	-	10 - < 30%
sulphamic acid	5329-14-6	< 10%
surfactants	-	< 10%
quaternary ammonium compound	139-07-1	< 10%
ethanol	64-17-5	< 10%
perfume	-	< 10%
blue dye	-	< 1%
water	7732-18-5	> 60%

**4 FIRST AID MEASURES****Poisons Information Centre: Phone 131 126**

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. Do NOT induce vomiting. Give a glass of water to drink. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Eye: Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses should only be undertaken by skilled personnel. Seek medical attention if irritation persists.

Skin: Remove any contaminated clothing and flush area with water and soap if available. Seek medical attention in the event of irritation.

Inhaled: This is considered to be highly unlikely to cause any reactions. However, if any effects are observed, remove affected person to fresh air. Lay the patient down, keep warm

and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. See a doctor if irritation occurs.

Advice to Doctor: Treat symptomatically as for a mild acid.

**5 FIRE FIGHTING MEASURES**

Fire/Explosion Hazard: Bowlclean is not combustible.  
Fire Extinguishing media: Water spray or fog. Foam. Dry chemical powder. Carbon dioxide.  
Fire Fighting PPE: Wear breathing apparatus and full protective gear: facemask, gloves, waterproof overalls and boots.  
Special fire-fighting procedures: none.  
Unusual fire hazards: Contact with common metals may be liberate hydrogen, a flammable gas which readily forms explosive mixtures with air.  
Hazardous products of combustion: Thermal decomposition in large fire may yield toxic fumes.

**6 ACCIDENTAL RELEASE MEASURES**

Clean up all spills immediately. Spills may be slippery. Avoid contact with skin and eyes. Contain spill and mop up. Place in a suitable, labelled container for waste disposal.

**7 HANDLING AND STORAGE**

Storage and Transport: Store in a cool, dry place.

Incompatibility (Materials to avoid for purposes of transport, handling and storage only): Avoid storage with strong alkalis and oxidising agents such as chlorine, bleach, chlorates or nitrates.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Standards: none assigned for mixture. Data for principal ingredients only:

Atmospheric Contaminant Exposure Standard for:  
Ethanol TWA = 1000 ppm (1880 mg/cu.m.)

[Source: Worksafe Australia NOHSC: 1003 (1995)]

Engineering Controls: Mechanical ventilation: not required under normal conditions.

Personal Protection: Avoid contact with skin and eyes.  
Gloves - Wear rubber gloves.  
Eye-protection - Safety glasses to be worn when using this product.  
Other - not normally required.

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# BOWL CLEAN

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Transparent blue liquid  
Odour: Floral perfume  
pH = 2.0 – 2.5  
Vapour Pressure: N/K  
Vapour Density: N/K  
Boiling Point: Approx 100°C  
Freezing Point: N/K  
Solubility: Infinitely soluble in water  
Specific Gravity: N/K  
Evaporation rate: As water  
% Volatile by vol: 90-95%

## 10 STABILITY AND REACTIVITY

Stable.

Incompatible with alkaline materials, oxidising agents, soft metals and hypochlorites.  
Avoid contact with mild steel, cast iron, brass, copper and tinned or galvanised materials.

Product should not be used on terrazzo, marble or other reactive alkaline surfaces.

## 11 TOXICOLOGICAL INFORMATION

Health Effects: *Acute* -

Swallowed: Bowlclean is an acid based product and is irritating to the gastro-intestinal tract if swallowed.

Eye: Irritant.

Skin: May cause slight irritation after prolonged contact.

Inhalation: Risk is low as vapour is mostly water with very low levels of ethanol and perfume.

Health Effects - *Chronic*: Repeated skin contact may cause defatting that could lead to dermatitis.

Toxicity Data: Not available for mixture. The main ingredient (phosphoric acid) when at a concentration of 85% and not neutralized has been found to possess an LD50 (rat, oral) of 1530 mg/kg and an LD50 (rabbit, skin) of 2740 mg/kg.

(Note: this data is from published information. Agar Cleaning Systems does not carry out animal tests).

## 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Persistence and degradability: -

Mobility: -

Advice: -

## 13 DISPOSAL CONSIDERATIONS

For disposal, seek advice from the Environmental Protection Authority or the State waste disposal authority.

## 14 TRANSPORT INFORMATION

UN No.: - not reg	Class: -	Packg.Group: -	Hazchem: -
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## 15 REGULATORY INFORMATION

Poisons Schedule Number: Not classed as a poison

## 16 OTHER INFORMATION

**AICS Listing:** All components of Bowl Clean are listed on the Australian Inventory of Chemical Substances (AICS).

Date: This MSDS issued: July 02, 2008

Abbreviations: N/K = Not Known

TWA = Time Weighted average

STEL = Short term exposure limit

CAS = Chemical Abstracts Service

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End of MSDS.