

## Toilet and Bathroom Cleaner

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### Classification of Product:

Classified as **HAZARDOUS** according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

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#### 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

- a. Product name: Bathroom Cleaner, Toilet & Bathroom Cleaner
  - b. Other means of identification: Toilet cleaner
  - c. Recommended use of the chemical  
Cleaning stainless steel, porcelain and tiled bathroom surfaces.
  - d. Manufacturer details:  
Dalcon Hygiene  
36 Victoria St Smithfield  
NSW 2164  
Australia  
PH: (02) 9604 1155  
FAX: (02) 9604 9055  
Email: admin@dalconhygiene.com.au
  - e. Poisons information centre: 13 11 26 (Australia)
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#### 2. HAZARD(S) IDENTIFICATION

- a. Classification of the chemical:  
**HAZARDOUS** according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)  
  
Corrosive to Metals: Category 1  
Skin Corrosion/Irritation: Category 1B  
Eye Irritation - Category 1
- b. Signal word: **DANGER**
- c. Pictogram(s): Corrosive, Harmful/Irritant



d. Hazard statement(s):

H290: May be corrosive to metals

H314: Causes severe skin burns and eye damage

e. Precautionary Statement(s):

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children

P103 Read label before use

**Prevention**

P234: Keep only in original container.

P260: Do not breathe fumes/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

**Response**

P321: Specific treatment (See section 4: First Aid).

P363: Wash contaminated clothing before reuse.

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with running water/ shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P390: Absorb spillage to prevent material damage.

**Storage**

P405: Store locked up.

P406: Store in a corrosive resistant container.

**Disposal**

P501: Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

**Poisons Schedule (Aust): S6 Poison**

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS number	Proportion	Hazard Codes
H <sub>2</sub> O	7732-18-5	>80%	-
Phosphoric Acid	7664-38-2	<10%	H314

Lauryl dimethyl benzyl ammonium chloride	68424-85-1	<5%	H290, H302, H312, H314, H318, H400
Non-hazardous Components	-	<10%	-

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#### 4. FIRST-AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor

##### **Inhalation:**

Avoid inhaling vapours and fumes. If inhaled, move to fresh air. If difficulty breathing or not breathing, give oxygen and seek immediate medical advice.

##### **Skin Contact:**

Avoid contact with skin. Remove contaminated clothing. Wash affected area with running water for at least 15 minutes. Seek medical attention. Wash contaminated clothing before reuse.

##### **Eye Contact:**

Immediately flush the eyes with running water for at least 15 minutes, holding the eyelids open. Seek immediate medical attention.

##### **Ingestion:**

Rinse mouth with water. If swallowed, do not induce vomiting. Give water and to drink and seek medical attention immediately.

##### **Specific treatment:**

Treat symptomatically.

Individuals who have been exposed to contaminated smoke should be immediately examined by a doctor and checked for symptoms of poisoning.

The symptoms may be mistaken for heat exhaustion or smoke inhalation.

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#### 5. FIRE-FIGHTING MEASURES

This product is a non-flammable liquid

##### **Hazchem or emergency action code: 2R**

##### **a. Suitable extinguishing equipment:**

Carbon dioxide, dry chemical powder, foam.

##### **b. Specific hazards arising from the chemical:**

Non-combustible liquid. Incompatible with strong oxidising agents, strong reducing agents, strong alkali, strong active powdered metals, Fluorine, sulphur trioxide, phosphorus pentoxide, metals and sources of ignition. This product will release hydrogen on contact with metals which may cause explosion in the air. Reacts with

water to generate heat and form phosphoric acid, this reaction is nonviolent. Emits toxic fumes under fire conditions. It will produce the virulent gas of oxidation phosphorus at high temperatures. It is corrosive. Hazardous decomposition products include Phosphine, Oxides of phosphorus and hydrogen gas.

c. **Special protective equipment and precautions for fire fighters:**

On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas.

Eliminate ignition source and remove containers away if safe to do so.

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6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Slippery when spilt, avoid accidents and clean up immediately.

Clear the area of personnel.

Avoid breathing in the fumes. Increase ventilation.

Wear protective eye goggles, gloves and protective clothing.

**Environmental precautions:**

Keep away from drains and surface and ground water.

**Methods and materials for containment and cleaning up:**

Containment: store in a bunded area

Clean up procedures: Wear protective eye goggles, gloves and protective clothing.

Increase ventilation. Clean up using absorbent material such as sand or soil and dispose of as outlined in section 13.

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7. HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

a. **Precautions for safe handling**

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Use in a well ventilated area.

Keep out of reach of children.

Avoid eating, drinking or, smoking when using this chemical.

Wash hands after use.

Remove contaminated clothing and protective equipment after using chemicals and before entering eating areas.

Avoid prolonged exposure to product.

Ensure eye wash stations/bath and safety shower are available and ready to use.

**b. Conditions for safe storage, including incompatibilities.**

Store in cool place and out of direct sunlight. Ensure adequate ventilation.  
Store in a bunded area.  
Store away from foodstuffs.  
Store away from incompatible materials described in Section 10.  
Keep containers tightly closed when not in use - check regularly for leaks.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**a. Control Parameters:**

No value assigned for this specific material by safe work Australia.  
However, for the constituents PHOSPHORIC ACID:  
Phosphoric Acid CAS: 7664-38-2 8hr TWA = 1mg/m<sup>3</sup>, 15 min STEL = 3mg/m<sup>3</sup>.

**b. Engineering controls:**

Ensure adequate ventilation. A system of local exhaust or ducting is advised.  
Keep containers closed when not in use

**c. Individual Protection measures:**

When handling this chemical, individuals should wear safety goggles (AS1336/1337), rubber or neoprene gloves, plastic overalls and safety footwear.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

- a. Physical state: Liquid
  - b. Colour: Blue
  - c. Odour: None
  - d. pH: 2-3
  - e. Melting point/freezing point: 0°C
  - f. Initial boiling point and boiling range: 100°C
  - g. Flash point: NA
  - h. Flammability: NA
  - i. Upper/lower flammability or explosive limits: NA
  - j. Vapour pressure: NA
  - k. Relative density: NA
  - l. Solubility: miscible in water
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**10. STABILITY AND REACTIVITY**

- a. Chemical stability: Stable under normal conditions of use, storage and temperature  
Corrodes metals.
- b. Conditions to avoid: Avoid contact with foodstuffs. Only mix with water. Avoid excessive heat, direct sunlight, moist air or water.
- c. Possibility of hazardous reactions: Reacts with metals liberating flammable hydrogen gas.

- d. Incompatible materials: strong oxidising agents, reducing agents, sulfides, phosphides, cyanides, acetylides, fluorides, silicides, carbides, strong caustic material, alloys , glass , leather, natural rubber, fluorine gas, and arsenic trioxide.
  - e. Hazardous decomposition products: Oxides of phosphorus.
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#### 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

For the constituent PHOSPHORIC ACID:

- Oral LD50 Rat: 1530mg/kg
- Dermal LD50 Rabbit: 2740mg/kg

##### **Ingestion:**

Can cause burns. Harmful by ingestion. Can cause nausea, diarrhoea, corrosion, burns to the mouth and oesophagus, abdominal pain, chest pain, shortness of breath, seizures and death.

##### **Skin corrosion/irritation:**

Contact with skin may cause irritation. May cause burns.

##### **Serious eye damage/irritation:**

Eye contact may cause serious eye injury. Burns, tissue destruction, permanent damage to the cornea, blindness.

##### **Respiratory or skin sensation:**

Breathing in vapours or fumes may result in significant damage to the respiratory tract. Material is damaging to tissues of the mucous membranes and upper respiratory tract, eyes and skin.

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#### 12. ECOLOGICAL INFORMATION

- a. Ecotoxicity: Avoid contaminating waterways
  - b. Persistence and degradability: This material is biodegradable
  - c. Bio-accumulative potential: No information available.
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#### 13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of containers in accordance with local/regional/national/international regulations. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

Do not allow waste to enter waterways.

#### 14. TRANSPORT INFORMATION

Contains materials classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; Dangerous Goods.

Proper Shipping Name: PHOSPHORIC ACID, SOLUTION

Class: 8 Corrosive Substances

EPG: 37 Toxic and/or corrosive substances. Non-combustible.

UN number: 1805

Hazchem: 2R

Pack Group: III

Contains materials classified as **DANGEROUS GOODS** by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; Dangerous Goods.

Proper Shipping Name: PHOSPHORIC ACID, SOLUTION

Class: 8 Corrosive Substances

UN number: 1805

Hazchem: 2R

Pack Group: III

EMS: FA, SB

Marine Pollutant: No

Contains materials classified as **DANGEROUS GOODS** by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; Dangerous Goods.

Proper Shipping Name: PHOSPHORIC ACID, SOLUTION

Class: 8 Corrosive Substances

UN number: 1805

Hazchem: 2R

Pack Group: III

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#### 15. REGULATORY INFORMATION

Classified as **HAZARDOUS** according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

##### **Classification:**

Corrosive to Metals: Category 1

Skin Corrosion/Irritation: Category 1A

Eye Irritation - Category 2A

##### **Hazard Codes:**

H290: May be corrosive to metals

H302: Harmful if swallowed

H313: May be harmful in contact with skin

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

**Poisons schedule 6**

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16. OTHER RELEVANT INFORMATION

This Safety Data Sheet (SDS) has been prepared by Dalcon Hygiene

Reason(s) for Issue:

- Alignment to GHS requirements

This SDS summarises to the best of our knowledge at the date of issue, the chemical health and safety hazards of the material and provides general guidelines on how to safely handle the material. Dalcon Hygiene cannot anticipate or control the conditions under which the product may be used, stored and transported, therefore, each user must, prior to usage, assess and control the possible risks.

If clarification or further information is required, the user should contact Dalcon Hygiene at the contact details in section 1d.

By using this product, the user agrees that they have read and understood this SDS, and, knowing the risks associated with the product, wish to use the product.