

Infosafe No™ VAR9J	Issue Date : November 2024	ISSUED by MILESTON
Product Name TOILET BOWL CLEANER		

Section 1 - Identification

Product Identifier	TOILET BOWL CLEANER
Company Name	Milestone Chemicals Pty. Ltd. (ABN 85115166357)
Address	115 Northern Road West Heidelberg VIC 3081 AUSTRALIA
Telephone/Fax Number	Tel: (03) 9450 4555 Fax: (03) 9457 5518
Emergency Phone Number	(03) 9450 4555 Mon-Fri 8am - 6pm
Recommended use of the chemical and restrictions on use	Acid cleaner for toilet bowls and urinals. Apply undiluted to bowls, scrub with sanitary brush, then flush.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Eye damage/irritation: Category 2A Skin corrosion/irritation: Category 2
Signal Word	WARNING
Hazard Statement (s)	H315 Causes skin irritation. H319 Causes serious eye irritation.
Pictogram (s)	Exclamation mark



Precautionary Statement – Prevention	P264 Wash contaminated skin thoroughly after handling. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.
Precautionary Statement – Storage	P404 Store in a closed container.
Precautionary Statement – Disposal	P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.
Precautionary Statement – General	P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Phosphoric acid	7664-38-2	10-25 %
	Other ingredients determined not to be hazardous, including water	N/A	to 100%

Section 4 - First Aid Measures

Inhalation	Remove victim to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.
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Ingestion	Rinse mouth with water. Do NOT induce vomiting. Give water to drink to be taken slowly. Seek immediate medical advice.
Skin	Remove heavily contaminated clothing. Wash affected area with copious quantities of water for at least 15 minutes. If irritation develops or persists seek medical advice.
Eye	Immediately irrigate with copious quantities of water for at least 15 minutes. Hold eyelids open. Seek medical attention.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Treat symptomatically for acids (phosphoric acid).

Section 5 - Firefighting Measures

Suitable Extinguishing Media	Use extinguishing media appropriate to surrounding fire. Use water spray to cool containers and surrounds.
Specific Methods	Fire-fighters to wear self contained breathing apparatus and protective equipment. If safe to do so remove containers from path of fire.
Specific Hazards Arising from the Chemical	Non-flammable liquid. However, flammable and explosive hydrogen gas may be formed on contact with metals.
Hazchem Code	2X

Section 6 - Accidental Release Measures

Emergency Procedures	Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Wear appropriate eye, skin and respiratory protection as outlined in this MSDS.
Spills & Disposal	Wear protective equipment to prevent skin and eye contamination consisting of rubber gloves and safety goggles. Contain large spills with an inert material such as sand, soil or vermiculite. Collect and seal in properly labelled containers for disposal. Small spills may be mopped up. Wash down area with excess water.

Section 7 - Handling and Storage

Conditions for safe storage, including any incompatibilities	Store in cool place in sealed plastic containers. Store in a well ventilated area. Store away from oxidising agents and foodstuffs. Store away from sources of heat. Keep containers closed when not in use.
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Section 8 - Exposure Controls and Personal Protection

	<u>Name</u>	<u>STEL</u>		<u>TWA</u>		
Occupational Exposure Limit (OEL) Values		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	<u>Footnote</u>
	Phosphoric acid	3		1		
Other Exposure Information	No value assigned by the National Occupational Health and Safety Commission (Worksafe Australia).					
Engineering Controls	Corrosive liquid. Maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition. Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.					
Personal Protective Equipment	Avoid contact with the skin and eyes. Avoid breathing the vapour. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- PVC or nitrile rubber gloves. Chemical goggles or faceshield to protect eyes.					

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Respirators in accordance with AS/NZS 1715/1716. The use of a P1 dust mask (disposable) or with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.
Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Pale blue opaque thin liquid
Odour	Pleasant fruity
Solubility in Water	Miscible at all concentrations.
Specific Gravity	1.1
pH	1.0-2.0
Flash Point	None
Flammability	Non flammable.

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal use conditons.
Possibility of Hazardous Reactions	Contact with metals may produce hydrogen gas which is flammable. If splashing occurs rinse with water and wipe clean. Do not mix with bleaches, acids, or other cleaning solutions.
Conditions to Avoid	Heat and incompatibles.
Incompatible Materials	Strong bases, aluminium, zinc, magnesium and oxidizing agents.
Hazardous Decomposition Products	If involved in a fire, toxic fumes will be evolved.

Section 11 - Toxicological Information

Toxicology Information	No adverse health effects are expected, if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:
Acute Toxicity - Oral	LD50: Phosphoric acid: 1530 mg/kg oral, rat Benzalkonium chloride 360 mg/kg oral, rat Surfactants 3,000 mg/kg oral, mouse
Ingestion	May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.
Inhalation	May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.
Skin	May cause irritation to the skin, with effects including; Redness and itchiness.
Eye	May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.
Chronic Effects	Prolonged or repeated skin contact will lead to necrosis (death) of the skin.

Section 12 - Ecological Information

Ecotoxicity	Harmful to aquatic organisms.
Persistence and Degradability	The surfactant used in this product is not considered to be readily biodegradable.

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Mobility	Readily transported by water.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

Section 13 - Disposal Considerations

Waste Disposal	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise on acidic nature. Normally suitable for disposal by approved waste disposal agent.
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Section 14 - Transport Information

Transport Information	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.
ADG UN Number	3264
ADG Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
ADG Transport Hazard Class	8
ADG Packing Group	III
Hazchem Code	2X
IERG Number	37

Section 15 - Regulatory Information

Poisons Schedule	S5
Australia (AICS/AIIC)	All components listed.

Section 16 - Any Other Relevant Information

Date of Preparation	10/11/2024
Literature References	Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons Australian Code for the Transport of Dangerous Goods by Road & Rail Globally Harmonised System of classification and labelling of chemicals GHS7
Signature of Preparer/Data Service	Technical manager Tel: (03) 9450 4555
Technical Contact Numbers	Emergency Advice All Hours: Chief Chemist Tel: (03) 9450 4555 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs
Other Information	This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below. ...End Of MSDS...

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