

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Heavy Duty Toilet Bowl & Shower Recess Cleaner Heavy Duty

Recommended Use: Removes soap scum, body fats, and mould from showers and mineral stains from toilets with disinfectant properties.

Supplier: Midland Chemicals
ABN: 91 622 018 986

Street Address: 18 Elliott Street
Midvale
Western Australia

Telephone Number: +61 08 9274 1992

Facsimile: +61 08 9250 1710

Emergency Telephone: **1 800 033 111 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

Hazardous according to the criteria of Worksafe Australia

Road and Rail; Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).

Risk Phrases: R22: Harmful if swallowed.
R34: Causes Burns
R36: Irritating to eyes
R38: Irritating to skin

Safety Phrases: S2: Keep out of reach of children.
S7: Keep container tightly closed.
S16: Keep away from sources of ignition.
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27/28: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
S36/37/39: Wear suitable protective clothing, gloves, and eye/face protection.
S61: Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

Poisons Schedule: 6

Packaging group number: III

MATERIAL SAFETY DATA SHEET

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Phosphoric Acid	7664-38-2	7%	
Hydrochloric Acid	7647-01-0	3%	
Quaternary Ammonium Compound	8001-54-5	3%	
Biodegradable Surfactant		6%	
Water	7732-18-5	To 100%	

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 at once.

Inhalation:

N/A

Skin Contact:

If spilled on skin or hair, immediately drench with running water and remove contaminated clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble). If symptoms persist seek medical attention.

Eye Contact:

Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Seek medical attention.

Ingestion:

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water, Never give anything by mouth to an unconscious person. If vomiting occurs give further water. Seek medical assistance. Contact a doctor or the Poisons Information Centre Immediately.

Medical attention and special treatment:

Treat as acid base cleaner.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Non-combustible material. May give off acidic fumes when heated.

Precautions for fire fighters and special protective equipment:

Fire fighters to wear a positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire of all non-emergency personnel. Stay up wind. Keep out of low areas. Eliminate ignition source. Risk of exposure to products of decomposition. Keep containers cool with water spray. Do not allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

Suitable Extinguishing Media:

Use water spray type extinguishers. Use media/equipment appropriate to surrounding fire conditions.

MATERIAL SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Clear area of all unprotected personnel. Personnel involved in the clean up should wear full protective clothing as described in section 8. Eliminate all sources of ignition. Increase ventilation. Stop leak if safe to do so. Isolate the danger area. Do not let product reach drains or waterways. If product enters sewers or waterways advise local emergency services, or Environmental Protection Authority.

Methods and materials for containment and clean up:

Wear protective equipment to prevent skin and eye contact. Slippery when spilt, clean up immediately to avoid accident. Prevent product from entering water courses. For small quantities rinse with water. In case of large quantities mop up excessive amounts and then hose off excess. Dispose of in accordance with all local, state and federal regulations at an approved waste disposal facility.

7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:

Store in a cool, dry place and do not store near oxidising agents, acids or products of acid generation.

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Avoid powder formation when handling protect against fire and explosion. Ensure an eye bath and shower are available and ready for use. Wash thoroughly after handling. Do not inhale product dust/fumes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No data available. Low hazard but avoid contact.

Engineering controls:

Ensure adequate ventilation.

Personal Protective Equipment:

Wear gloves, safety goggles, and protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Colour: pink

Solubility: Miscible in water

Specific Gravity: 1.01

Relative Vapour Density (air=1): N/A

Vapour Pressure (20 °C): N/A

Flash Point (°C): N/A

Flammability Limits (%): N/A

Auto Ignition Temperature (°C): N/A

Boiling Point/Range (°C): 100°C

pH: 2 @ 1% solution

MATERIAL SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

- Chemical stability:** Stable under normal ambient and anticipated storage and handling condition of temperature and pressure.
- Conditions to avoid:** Store in a cool dry place away from alkaline products. Avoid Heating.
- Incompatible materials:** avoid contact with alkaline products.
- Hazardous decomposition:** None Known
- Hazardous reactions:** None known.

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:

- Ingestion:** Will burn throat and internal areas.
- Eye contact:** Will cause severe irritation and burns.
- Skin contact:** Will cause severe irritation and burns.
- Inhalation:** N/A
- Long Term Effects:** No information available for the product.
- Toxicological Data:** No LD50 set for this product.

12. ECOLOGICAL INFORMATION

- Ecotoxicity** don't contaminate waterways with heavy concentrations of this product.
- Persistence and degradability** possible short term degradation products are not likely. However, long term degradation products may arise.
The product itself and its products of degradation are not toxic.

13. DISPOSAL CONSIDERATIONS

- Disposal methods:** Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

MATERIAL SAFETY DATA SHEET

14. TRANSPORT INFORMATION

Road and Rail Transport

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

UN No: 1760

Class-Primary: 8

Packing Group: III

Proper Shipping Name: Toilet Bowl and Shower Recess cleaner.

Hazchem Code: 2R

Marine Transport

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

UN No: 1760

Class-Primary: 8

Packing Group: III

Proper Shipping Name: Toilet Bowl and Shower Recess cleaner.

Hazchem Code: 2R

Air Transport

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

UN No: 1760

Class-Primary: 8

Packing Group: III

Proper Shipping Name: Toilet Bowl and Shower Recess cleaner.

Hazchem Code: 2R

15. REGULATORY INFORMATION

Classification: Hazardous according to criteria of Safe work Australia; HAZARDOUS SUBSTANCE

Hazard Category: N/A

Risk Phrases: R22: Harmful if swallowed.
R34: Causes Burns
R36: Irritating to eyes
R38: Irritating to skin

Safety Phrases: S2: Keep out of reach of children.
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Poisons Schedule: S6

MATERIAL SAFETY DATA SHEET

16. OTHER INFORMATION

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Midland Chemicals cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Midland Chemicals at the contact details on page 1.

Midland Chemical's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.