



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TILE & GROUT CLEANER

Product Use: For cleaning of tiles and grout.

Miro's General Cleaning Services P/L trading as ATOMIC CHEMICALS

A.C.N 005 300 201 / A.B.N 77 005 300 201

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Web: www.atomicchemicals.com.au

Emergency Telephone Number: 13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification: Acute Toxicity- Oral, Category 2
Acute Toxicity – Dermal, Category 1
Skin Corrosion/Irritation, Category 1C
Acute Toxicity – Inhalation, Category 2

Pictograms:



Signal Word: DANGER

Hazard Statements:

H300: Fatal if swallowed

H310: Fatal in contact with skin

H314: Causes severe skin burns and eye damage

H330: Fatal if inhaled

Precautionary Statements:

Prevention

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P260: Do not breathe dusts or mists.

P262: Do not get in eyes, on skin, or clothing.

P270: Use only outdoors or in a well-ventilated area.

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

P284: Wear respiratory protection.

Response

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do Not induce vomiting.

P309+P311: IF exposed or if you feel unwell: Immediately call a POISON CENTRE or doctor/physician.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P10: Immediately call a POISON CENTRE or doctor/physician.

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact



lenses, if present and easy to do. Continue rinsing.

Storage

P405: Store locked up.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

<u>Chemical Name:</u>	<u>CAS Number:</u>	<u>Proportion %:</u>
Phosphoric Acid	7664-38-2	<10
Alkyl dimethyl benzyl	139-07-1	<10
Surfactants (Propriety Blend)	9002-92-0	<10
Water	7732-18-5	>60

4. FIRST AID MEASURES

Poisons Information Centre: Phone 13 11 26

First Aid

Swallowed: Contact a doctor or Poisons Information Centre. Do not induce vomiting. Rinse mouth with water and give glass of water. Never give anything by mouth to an unconscious person.

Eye: Immediately hold the eyes open and rinse continuously with plenty of water for at least 15 minutes and contact a doctor or Poisons Information Centre.

Skin: Remove any contaminated clothing and immediately wash contaminated skin with plenty of water. If irritation occurs, seek medical attention.

Inhaled: Remove affected person to fresh air. Seek medical attention if effects persist.

First Aid Facilities: Washroom facilities, and Eye wash station.

Advice to Doctor: Treat symptomatically. Contains dilute Phosphoric Acid.

5. FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Tile and grout cleaner is not combustible.

Fire Fighting Procedures: Normal fire-fighting procedures. Fire fighters to wear fully encapsulating, gas-tight suits for maximum protection.

Extinguishing Media: Foam, CO₂, Dry chemical or Water fog.

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Contain large spills and mop up. Avoid contact to eyes. Use absorbent (soil or sand, sawdust) material to collect. Slippery when spilt. Place in a suitable, labelled container for waste disposal. Do not let spilled or leaking material enter drains and waterways. May be toxic to aquatic life.

7. HANDLING AND STORAGE

Storage: Store in a well-ventilated place out of direct sunlight. Store away from acid, combustible materials and foodstuffs. Store with all the precautions required for handling a corrosive liquid. Observe State Regulations concerning the storage and handling of Dangerous Goods. Keep containers closed at all times - check regularly for leaks.



Segregation: Store away from alkalis.

8. EXPOSURE CONTROL /PERSONAL PROTECTION

Exposure limits: Phosphoric Acid 1mg/M3 ACGIH TLV-TWA, 3mg/M3 ACGIH TLV-STEL

Engineering Controls: Not required under normal conditions.

Personal Protection: Respiratory: If mists/vapours are not adequately controlled by local ventilation, use an organic vapour respirator to prevent overexposure.

Eye: Avoid contact, Safety glasses are recommended.

Skin: Avoid contact, Impervious gloves are recommended.

Flammability: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description/Properties

Appearance/Odour: Clear liquid .

Boiling Point/Melting Point: 100°C

Vapour Pressure: Not determined

Specific Gravity: 1.10

Flashpoint: Not determined

Flammability Limits: Not determined

Solubility in Water: Complete

Evaporation Rate: Not determined

pH: <1.0

10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Avoid mixing with strong alkalis.

11. TOXICOLOGICAL INFORMATION

Health Effects: *Acute*

Swallowed: May cause burns and corrosive damage to mouth, throat and stomach.

Eye: May cause irritation and chemical burns, if splashing into eyes occur.

Skin: Will cause irritation to the skin, burns with effects including redness, localised pain and blistering.

Inhaled: Will cause irritation to mucous membranes, throat and lungs.

Health Effects: *Chronic*: Non known

12. ECOLOGICAL INFORMATION

Volatile Organic Compounds: May be harmful to aquatic life in high concentrates

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Method: No special method. Observe all applicable governmental regulations and local ordinances regarding disposal of hazardous materials.



14. TRANSPORT INFORMATION

UN Number: 3264
Hazchem Code: 2X
Transport of Dangerous Goods: III
Dangerous Goods Class and Subsidiary Risk: 8

15. REGULATORY INFORMATION

Poison Schedule: 6

AICS: All chemicals listed on the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

LD50 (Acute Oral Toxicity): Not determined
LD50 (Acute Dermal Toxicity): Not determined
Carcinogenicity: None Known
Teratogenicity: None Known
Mutagenicity: None Known
Fish Toxicity: Not determined

Biodegradability: The surfactants are biodegradable per the Australian standard AS1792.

Abbreviations and Definitions of terms used:

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
Cu.m	Cubic metre
deg C	Degrees Celsius
g	gram
kg	kilogram
LD50	The does (swallowed all at once) which is lethal to 50% of a group of test animals.
mg	milligram
mg/m ³	milligrams per cubic metre

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