



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: DESCALER

Product Use: Removes scale, rust, and hard water deposits from machine dishwashers.

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

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

Factory 1 / 65 Bond Street West

Mordialloc Vic 3195

Telephone: 03 9580 2766

Fax: 03 9580 4922

Email: atomic@cosmos.net.au

Web: www.atomicchemicals.com.au

Emergency Telephone Number: 13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification: Skin Corrosion/Irritation, Category 1A to 1C

Pictograms:



Signal Word: DANGER

Hazard Statements:

H314: Causes severe skin burns and eye damage

Precautionary Statements:

Prevention

P264: Wash hands thoroughly after handling.

P260: Do not breathe dusts or mists.

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

Response

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

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

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.

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

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.

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	>30
Surfactants (Propriety Blend)	9002-92-0	<10
Water	7732-18-5	>60



**ATOMIC
CHEMICALS**

MANUFACTURERS OF HIGH PERFORMANCE CLEANING CHEMICALS

Safety Data Sheet

Issued: 1 January, 2020

Page 2 of 4



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: Eye wash station.

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

5. FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Descaler 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.

7. HANDLING AND STORAGE

Handling and Storage: Store in a well-ventilated place out of direct sunlight. Store away from acid, combustible materials and food stuffs. Keep containers closed at all times - check regularly for leaks.

Segregation: Store away from acids and oxidizing agents.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

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

Engineering Controls: Provide adequate ventilation. Avoid breathing vapour of product. Use with adequate ventilation.

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.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description/Properties

Appearance/Odour: Clear liquid with no odour.

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 heat, aluminium, zinc, magnesium and oxidizing agents. Contact with metals may produce hydrogen gas which is flammable.

11. TOXICOLOGICAL INFORMATION

Health Effects: Acute: Corrosive to all body tissue on contact.

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

Eye: May cause: Chemical burns and/or Permanent eye damage.

Skin: May cause: Chemical burns.

Inhaled: May cause: Irritation and/or chemical burns to mucous membranes.
Prolonged exposure may cause: Headache, Nausea.

Health Effects: Chronic: *Individuals with chronic respiratory disorders such as asthma, chronic bronchitis emphysema, etc., may be susceptible to irritating effects.*

12. ECOLOGICAL INFORMATION

Volatile Organic Compounds: This product is corrosive and poisonous in large concentrations.
May cause adverse effect in aquatic environment. Avoid contaminating waterways, drains, sewers or ground.

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:	1805
Hazchem Code:	2R
Transport of Dangerous Goods:	PG III



**ATOMIC
CHEMICALS**

MANUFACTURERS OF HIGH PERFORMANCE CLEANING CHEMICALS

Safety Data Sheet

Issued: 1 January, 2020

Page 5 of 4

Dangerous Goods Class and Subsidiary Risk: 8



15. REGULATORY INFORMATION

Poison Schedule: S6

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

16. OTHER INFORMATION

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

Abbreviations and Definitions of terms used:

<	less than
>	greater than
%	percentage
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
miscible	A liquid that mixes homogeneously with another liquid
ppm	parts per million

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Atomic Chemicals accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and local laws and regulations. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.