

## 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: atomicchemicals@outlook.com

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.

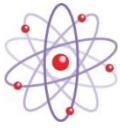
**Disposal**

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



#### 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, CO<sub>2</sub>, 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/M<sup>3</sup> ACGIH TLV-TWA, 3mg/M<sup>3</sup> 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

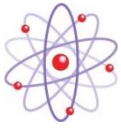
**Volatile Organic Compounds:** This product is corrosive and poisonous in large concentrations. May cause adverse effect in aquatic environment. Avoid contaminating waterways, drains, sewers or ground.

## 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, 2021

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**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
Mutagenicity:	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

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