



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** DETERGENT 2000 MDL Machine Dishwashing Liquid

**Product Use:** Commercial grade machine dishwashing liquid detergent for automatic feeders.

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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**Emergency Telephone Number:** 13 11 26

## 2. HAZARDS IDENTIFICATION

**Hazardous Classification:** The substance described in this SDS has been classified as NON HAZARDOUS according to the criteria of Worksafe Australia.

**Hazardous Category:** C Corrosive

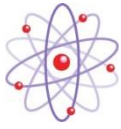
**Risk:** [R22] Harmful If Swallowed  
[R34] Causes Burns.  
[R36/38] Irritating to eyes and skin.  
[R41] Risk of serious eye damage.

**Safety:** [S1/2] Keep locked up and out of reach of children.  
[S13] Keep away from food, drink and animal feeding stuffs.  
[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.  
[S37/39] Wear suitable gloves and eye/face protection.  
[S45] In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Ingredients

<u>Chemical Name:</u>	<u>CAS Number:</u>	<u>Proportion %:</u>
Potassium Hydroxide	1310-58-3	10-30
Sodium Metasilicate	6834-92-0	<10
Sodium Tripolyphosphate	7758-29-4	<10
Surfactant (Propriety blend)		<10
Sodium Hypochlorite	7681-52-8	<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.

#### 5. FIRE FIGHTING MEASURES

**Fire/Explosion Hazard:** Detergent 2000 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, oxidizing agents, combustible materials and foodstuffs. 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:**

Potassium Hydroxide	2mg/m <sup>3</sup> Peak limitation
Sodium Metasilicate	2mg/m <sup>3</sup> TWA
Sodium Tripolyphosphate	2mg/m <sup>3</sup> TWA
Sodium Hypochlorite	1ppm TWA for decomposition product chlorine.

**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 inorganic/organic vapour respirator to prevent overexposure.

Eye: Full wrap around Safety goggle.

Skin: Impervious Long Nitrile Gloves / PVC Apron / Safety Shoes



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical Description/Properties

Appearance/Odour: Clear liquid with faint odour.

Boiling Point/Melting Point: 100°C

Vapour Pressure: Not determined

Specific Gravity: 1.30

Flammability Limits: Not determined

Solubility in Water: Complete

Evaporation Rate: Not determined

pH: >13.0

## 10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Reacts with strong acids and is corrosive to the skin and some metals.

## 11. TOXICOLOGICAL INFORMATION

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

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

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

Skin: Will cause: Chemical burns.

Inhaled: Will 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 CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN Number:** 1719 CAUSTIC ALKALI LIQUID N.O.S

**Hazchem Code:** 2R

**Transport of Dangerous Goods:** PGII

**Dangerous Goods Class and Subsidiary Risk:** Class 8

**Contains: Sodium Hydroxide & Potassium Hydroxide**



## 15. REGULATORY INFORMATION

**Poison Schedule:** 6

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

## 16. OTHER INFORMATION

LD50 (Acute Oral Toxicity): Corrosive.

LD50 (Acute Dermal Toxicity): Corrosive

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

% percentage

AICS Australian Inventory of Chemical Substances

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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