

**Product name:** Automatic Dishwasher Detergent D-1**Date prepared :** May 19, 2021**Date revised :** Oct 23, 2024**Revision No :** 1

## 1. IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND OF THE SUPPLIER

**Product name** Automatic Dishwasher Detergent D-1

**Supplier** Saraya Goodmaid Sdn. Bhd.  
100-5.011, Block J, 129 Offices, Jaya One  
No. 72A, Jalan Universiti  
46200 Petaling Jaya  
Selangor, Malaysia  
Telephone Number:  
03-8211-1337  
Emergency Telephone Number :  
Dial 999, Bomba 994  
(Please refer to the local emergency contact)

## 2. HAZARDS IDENTIFICATION

### Health Hazard

Skin corrosion or irritation

Category 1A

### Label elements

**Hazard pictograms** :**Signal word** : Danger

### Hazard Statements

H314 Causes severe skin burns and eye damage

### Precautionary Statements

- Do not breathe fume/mist/vapours.
- Wash hand thoroughly after handling.
- Wear protective gloves / protective clothing / eye protection / face protection.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER or doctor/ physician
- Wash contaminated clothing before reuse.
- Store locked up.
- Dispose of content/container in accordance with local regulation.

### 3. COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

<b>Chemical Name</b>	<b>CAS No</b>	<b>Composition</b>
Sodium Hydroxide	1310-73-2	5 -9 %
Sodium Polyacrylate	9003-04-7	3 – 8 %

### 4. FIRST-AID MEASURES

#### Inhalation

Remove from exposure.

#### Ingestion

Rinse mouth with water. Do not induce vomiting. Give a glass of water to be taken slowly. Seek medical advice.

#### Skin

If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

#### Eye

If in eyes, hold eyes open, flood with running water for at least 15 minutes and see medical attention.

#### First Aid Facilities

Eye wash station and normal washroom facilities.

#### Advice to Doctor

Treat symptomatically as for strong alkali. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted.

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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguish media

Use extinguishing media appropriate to surrounding fire. Use water spray to cool containers and surrounds.

### Specific Hazards

Not a fire hazard. Not an explosion hazard.

### Hazards from Combustion Products

Water vapour, carbon dioxide, oxides of nitrogen.

### Specific Methods

In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.

## 6. ACCIDENTAL RELEASE MEASURES

### Spills & Disposal

Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages.

CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. CARE!

Spillages will be slippery. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapours.

## 7. HANDLING AND STORAGE

### Conditions for Safe Storage

Store in a cool place, out of reach of children. Large quantities should be stored in a bunded area. Store in original container. Keep away from oxidizing agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering Controls

Do not use on aluminium, tin, zinc or galvanised iron. Consider local laws. mechanical exhaust/extraction to keep airborne contamination below TLV.

### Personal Protective Equipment

Avoid contact with the skin and eyes. Avoid breathing vapours, spray or Equipment mists. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Gloves, rubber.

Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	: Liquid
<b>Appearance</b>	: Colourless to slight yellow
<b>Odour</b>	: Odourless liquid
<b>Boiling point</b>	: No data available
<b>Solubility in water</b>	: Miscible in water with all proportion
<b>Specific gravity</b>	: 1.05~1.15
<b>pH</b>	: 12.0~13.5
<b>Flash point</b>	: None
<b>Flammability</b>	: Not flammable

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under normal use conditions.

### Conditions to avoid

Heat, flames, ignition sources and incompatibles

### Incompatible Materials

Strong acids, oxidizing agents, ammonium salts and soft metals

### Hazardous Decomposition Products

Contact with aluminum, tin, zinc, or galvanized iron can generate hydrogen, a flammable gas.

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Contact with ammonium compounds can generate ammonia, a poisonous gas. Will react vigorously or violent with acids.

## 11. TOXICOLOGICAL INFORMATION

### Inhalation

Inhalation of mist of the solution will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.

### Ingestion

Corrosive. Causes burns to mouth and throat, nausea, vomiting, abdominal pains and diarrhea (occasionally bloody). Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring, heart failure and coma.

### Skin

Corrosive to skin- may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contamination of gloves and footwear. Repeated or prolonged contact may lead to irritant contact dermatitis.

### Eye

Corrosive causes severe irritation and corneal burns. May cause blindness.

### Chronic Effects

Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

### Acute Toxicity Oral

Sodium hydroxide: LD50 500mg/kg oral, rabbit

## 12. ECOLOGICAL INFORMATION

### Eco toxicity

This product is corrosive and poisonous in large quantities in the aquatic environment.

### Mobility

Readily dilutes with water.

### Environment Protection

Avoid contaminating waterways, drains, sewers, or ground.

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## 13. DISPOSAL INFORMATION

**Waste disposal:**

Refer to appropriate authority in your state. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

## 14. TRANSPORTATION INFORMATION

**Transport** classified as a Class 8 Dangerous Good.

**Information**

Incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7. Store away from acids.

**U.N Number** 1823**Proper Shipping Name** CAUSTIC ALKALI LIQUID,**Dangerous Goods Class** 8**Hazchem Code** 2X**Packaging Method** 3.8.8**Packing Group** II**EPG Number** 8A1**IERG Number** 37

## 15. REGULATORY INFORMATION

**Poisons Schedule.**

S6

**Hazard Category**

Corrosive

## 16. OTHER INFORMATION

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief accurate as the date indicated.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.