

Product name: Automatic Dishwasher Detergent D-9**Date prepared :** Feb. 4, 2021**Date revised :** -**Revision No. :** 0

1. IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND OF THE SUPPLIER

Product name Automatic Dishwasher Detergent D-9

Manufacturer Goodmaid Chemicals Corporation Sdn. Bhd.

Lot 27B Lorong Bunga Tanjung 3/1,
Senawang Industrial Park, 70400 Seremban,
Negeri Sembilan.

Telephone Number:

06-6771337 / 6771327

Emergency Telephone Number :

Dial 999, Bomba 994

(Please refer to the local emergency contact)

2. HAZARD IDENTIFICATION

GHS Classification

Health Hazards

Acute toxicity (oral)	Category 4
Skin corrosion or irritation	Category 1
Serious eye damage or eye irritation	Category 1
Skin sensitization	Category 1

Label elements

Hazard pictograms :



Signal word : Danger

Hazard Statements

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H317	May cause an allergic skin reaction

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Precautionary Statements

- Avoid breathing fume/gas/mist/vapours
- Wash hand thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- If skin irritation or rash occurs: Get medical advice/ attention.
- Wash contaminated clothing before reuse.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Immediately call a POISON CENTER or doctor/physician.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/ international regulation.

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

Chemical Name	CAS No.	Proportion
Potassium Hydroxide	1310-58-3	5 – 10%
Potassium Silicate	1312-76-1	10 – 30%
Ethylenediaminetetraacetic acid	60-00-4	5 – 10%
Monoethanolamine	141 -43-5	1 – 3%

4. FIRST-AID MEASURES

Skin contact

Wash off the product with plenty of water.

Eye contact

Immediately flush eyes with clean running water.

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Drink plenty of water.

Inhalation

Remove to fresh air. Obtain medical assistance if discomfort persists.

5. FIRE-FIGHTING MEASURES**Suitable extinguish media**

Dry chemical powder, Carbon dioxide spray

Instructions

Product itself is non-combustible. If fire does occur because of the surrounding environment, use above-mentioned media.

6. ACCIDENTAL RELEASE MEASURES**Personal precaution, protective equipment and emergency procedures**

: Wear protective equipment such as protective goggles and rubber gloves if needed.

Environmental precautions

: For small spills, wash away the material with large amounts of water.

: For large spills, recover as much liquid as possible and collect it in an empty covered container.

: Wash away left materials with large amounts of water.

7. HANDLING AND STORAGE**Handling**

- Use in a well-ventilated room.
- Keep away from fire.
- Use only specified containers when transferring the product. Clearly indicate the product name, directions for use, warnings and precautions.
- May be caused spatter of the product when opening the cap. When transferring the container, close the cap tightly. Looseness may cause spatter of the product. Skin contact and/or eye contact may be caused.

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Storage

Conditions for safe storage

- Store it in a sealed container at a cool area away from direct sunlight.
- Keep out of the reach of children.
- Avoid falling or spillage

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appropriate engineering control

Not known

Management concentrations

A concentration value for managing the material has not been set.

Control Parameter

A control parameter has not been set.

Personal protection

Wear protective equipment as needed

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Clear liquid
Color	Colorless to faint colored

Odor Raw material odor

Brix (30°C) 35.5 – 38.5

10. STABILITY AND REACTIVITY

Chemical stability

Stable at room temperature.

Possibility of hazardous reactions

Not known

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11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute toxicity estimate (calculation method):

LD₅₀ (oral) = 821 mg/kg ; (300 < LD₅₀ ≤ 2000)LC₅₀ (inhalation) = 91.7 mg/L ; more than 20 mg/LLD₅₀ (dermal) = 40 400 mg/kg ; more than 2000 mg/kg

Skin corrosion/irritation

Causes severe skin burns and eye damage

Generic concentration limit of ingredients classified as category 1 is more than 5%.

Serious eye damage/eye irritation

Causes serious eye damage

Generic concentration limit of ingredients classified as category 1 is more than 3%.

Respiratory sensitization

Not classified

Skin sensitization

May cause an allergic skin reaction

Generic concentration limit of ingredients classified as category 1 is more than 1%.

Germ Cell Mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ/systemic toxicity following single exposure

Not classified

Specific target organs/systemic toxicity following repeated exposure

Not classified

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Aspiration hazard

Not classified

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not known

Persistence and degradability

Not known

Bioaccumulative potential

Not known

Mobility in soil

Not known

13. DISPOSAL INFORMATION

See section 7, Handling and storage

International regulations

Disposal should be done in accordance with local, state, and national laws.

Waste for residues

Burn it a little at a time in an incinerator or dispose with a large quantity of water.

Entrust disposal of product to an industrial waste disposal contractor.

Used container

Disposal should be done in accordance with local, state, and national laws.

14. TRANSPORTATION INFORMATION

See section 7, Handling and storage

UN regulations

UN classification

CAUSTIC ALKALI LIQUID, N.O.S (Class 8, Packing Group III)

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UN 1719

Not applicable as flammable liquids

Take necessary measures to prevent spillage, leakage, outflow and soakage.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

ICOP (INDUSTRY CODE OF PRACTICE) on Chemicals Classification and Hazard Communication 2014

16. OTHER INFORMATION

Date of preparation : 04.02.2021**Date of revision** : -

Reference material:

- ECHA European Chemicals Agency
- PubChem Open Chemistry Database

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.