

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Product name : AS-2339 Aqua Putty
Product group : Trade product

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Sealants
Recommended use : Sealants

1.4. Supplier's details

Manufacturer

Alseal Marketing Sdn. Bhd.
Lot 53, Jalan Industri 2/2, Rawang Integrated Industrial Park,
48000 Rawang, Selangor, Malaysia.
T +603-60942088 - F +603-60992930

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

| | | |
|---|------|--------------------|
| Skin corrosion/irritation, Category 2 | H315 | Calculation method |
| Serious eye damage/eye irritation, Category 2 | H319 | Calculation method |
| Skin sensitisation, Category 1 | H317 | Calculation method |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 | Calculation method |

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : Causes skin irritation, May cause an allergic skin reaction, Causes serious eye irritation, Harmful to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) :



Signal word (GHS UN) :

Warning

Hazardous ingredients

POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-HYDRO-OMEGA.-HYDROXY-ETHER WITH 2,2-BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL(4:1), 2-HYDROXY-3-MERCAPTOPROPYL ETHER; bis-[4-(2,3-epoxipropoxy)phenyl]propane; PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER; 3,6-DIAZOCTANETHYLENEDIAMINE

Hazard statements (GHS UN) :

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS UN) :

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.

AS-2339 Aqua Putty

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

P103 - Read carefully and follow all instructions.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P264+P265 - Wash hands, forearms and face thoroughly after handling. Do not touch eyes.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to the United Nations GHS |
|--|---------------------|---------|---|
| POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-HYDRO-.OMEGA.-HYDROXY-, ETHER WITH 2,2-BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL(4:1), 2-HYDROXY-3-MERCAPTOPROPYL ETHER | CAS-No.: 72244-98-5 | 10 – 30 | Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |
| bis-[4-(2,3-epoxipropoxy)phenyl]propane | CAS-No.: 1675-54-3 | 1 – 10 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER | CAS-No.: 28064-14-4 | 1 – 10 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| 3,6-DIAZAOCTANETHYLENEDIAMINE | CAS-No.: 112-24-3 | 0.1 – 1 | Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact : Eye irritation.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

AS-2339 Aqua Putty

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves

AS-2339 Aqua Putty

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

| | |
|---|--|
| Eye protection | : Safety glasses |
| Skin and body protection | : Wear suitable protective clothing |
| Respiratory protection | : In case of insufficient ventilation, wear suitable respiratory equipment |
| Personal protective equipment symbol(s) | |



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

| | |
|---|---|
| Physical state | : Solid |
| Colour | : Not available |
| Odour | : Not available |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not applicable |
| Boiling point | : Not available |
| Flammability | : Non flammable. |
| Lower explosion limit | : Not applicable |
| Upper explosion limit | : Not applicable |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Not available |
| pH | : Not available |
| pH solution | : Not available |
| Viscosity, kinematic (calculated value) (40 °C) | : Not applicable |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : 1.97 |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not applicable |
| Solubility | : Insoluble in the following materials: cold water. |
| Particle size | : Not available |

9.2. Data relevant with regard to physical hazard classes (supplemental)

| | |
|------------------|------------------|
| Explosive limits | : Not applicable |
|------------------|------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

AS-2339 Aqua Putty

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------------|--|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

AS-2339 Aqua Putty

| | |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

POLY[OXY(METHYL-1,2-ETHANEDIYL)], .ALPHA.-HYDRO-.OMEGA.-HYDROXY-, ETHER WITH 2,2-BIS(HYDROXYMETHYL)-1,3-PROPANEDIOL(4:1), 2-HYDROXY-3-MERCAPTOPROPYL ETHER (72244-98-5)

| | |
|---|-------|
| Animal studies and expert judgment for classification | False |
|---|-------|

bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3)

| | |
|---|-------|
| Animal studies and expert judgment for classification | False |
|---|-------|

PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER (28064-14-4)

| | |
|---|-------|
| Animal studies and expert judgment for classification | False |
|---|-------|

3,6-DIAZAOCTANETHYLENEDIAMINE (112-24-3)

| | |
|---|-------|
| Animal studies and expert judgment for classification | False |
|---|-------|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--|--|
| Ecology - general | : Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |
| Classification procedure (Hazardous to the aquatic environment, long-term (chronic)) | : Calculation method |

12.2. Persistence and degradability

AS-2339 Aqua Putty

| | |
|-------------------------------|-------------------------------------|
| Persistence and degradability | No additional information available |
|-------------------------------|-------------------------------------|

AS-2339 Aqua Putty

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

12.3. Bioaccumulative potential

AS-2339 Aqua Putty

| | |
|---------------------------|-------------------------------------|
| Bioaccumulative potential | No additional information available |
|---------------------------|-------------------------------------|

12.4. Mobility in soil

AS-2339 Aqua Putty

| | |
|------------------|-------------------------------------|
| Mobility in soil | No additional information available |
|------------------|-------------------------------------|

12.5. Other adverse effects

| | |
|-----------------------|---------------------------------------|
| Ozone | : Not classified |
| Other adverse effects | : No additional information available |

SECTION 13: Disposal considerations

13.1. Disposal methods

| | |
|-------------------------|---|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
|-------------------------|---|

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

| UN RTDG | IMDG | IATA |
|---|---|------------------------------------|
| 14.1. UN number | | |
| Not regulated for transport | | |
| 14.2. UN Proper Shipping Name | | |
| Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | |
| Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | |
| Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No |
| No supplementary information available | | |

14.6. Special precautions for user

UN RTDG

No data available

IMDG

No data available

IATA

No data available

AS-2339 Aqua Putty

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 12/9/2021
Revision date : 4/22/2022
Supersedes : 2/14/2022

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
ATE - Acute Toxicity Estimate
EC50 - Median effective concentration
EC-No. - European Community number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Median lethal concentration
LD50 - Median lethal dose
LOAEL - Lowest Observed Adverse Effect Level
N.O.S. - Not Otherwise Specified
NOAEC - No-Observed Adverse Effect Concentration
NOAEL - No-Observed Adverse Effect Level
NOEC - No-Observed Effect Concentration
OEL - Occupational Exposure Limit
SDS - Safety Data Sheet

Full text of H-statements:

| | |
|------|---|
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |

Safety Data Sheet (SDS), UN

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.