# AS-5001 Green Nails Construction Adhesive Sealant

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)
Issue date: 8/20/2021 Revision date: 2/14/2024 Supersedes: 7/23/2022 Version: 2.0

## SECTION 1: Identification

### 1.1. GHS Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Product name | : | AS-5001 Green Nails Construction Adhesive Sealant |
| UN-No. (ADR) | : | 1133 |
| 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

| | | |
|---|---|---|
| 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**

| | | |
|---|---|---|
| Flammable liquids, Category 2 | H225 | Calculation method |
| Serious eye damage/eye irritation, Category 2 | H319 | Calculation method |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 | Calculation method |
| Hazardous to the aquatic environment – Acute Hazard, Category 3 | H402 | 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 | : | May cause drowsiness or dizziness,Causes serious eye irritation,Harmful to aquatic life,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) | : | Danger |
| Hazardous ingredients | : | HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS; methyl acetate |
| Hazard statements (GHS UN) | : | H225 - Highly flammable liquid and vapour<br>H319 - Causes serious eye irritation<br>H336 - May cause drowsiness or dizziness<br>H412 - Harmful to aquatic life with long lasting effects |
| Precautionary statements (GHS UN) | : | P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 - Keep container tightly closed. |

P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.

### 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 |
|---|---|---|---|
| methyl acetate | CAS-No.: 79-20-9 | 10 – 30 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |
| HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS | CAS-No.: 64742-49-0 | 1 – 10 | Flam. Liq. 2, H225<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

Full text of H-statements: see section 16

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.
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.
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 : May cause drowsiness or dizziness.
Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Water spray.

### 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 breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 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

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material.
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 : Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : 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 locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| methyl acetate (79-20-9) | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Methyl acetate |
| ACGIH TWA (ppm) | 200 ppm |
| ACGIH STEL (ppm) | 250 ppm |
| Remark (ACGIH) | TLV® Basis: Headache; dizziness; nausea; eye dam (degeneration of ganglion cells in the retina) |
| Regulatory reference | ACGIH 2021 |

### 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 |
| 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 | : | Liquid |
| Appearance | : | Paste |
| Colour | : | light brown. |
| Odour | : | Characteristic odour. |
| Odour threshold | : | Not available |
| Melting point | : | No data available |
| Freezing point | : | Not available |
| Boiling point | : | > 57 °C |
| Flammability | : | Not applicable |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | < 23 °C |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | Not available |
| pH | : | No data available |
| pH solution | : | Not available |
| Viscosity, kinematic (calculated value) (40 °C) | : | > 40 mm²/s |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | Not available |
| Relative density | : | ≈ 1.22 |
| Relative vapour density at 20°C | : | No data available |
| Solubility | : | Not available |
| Particle size | : | Not applicable |

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

No additional information available

## 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).

### 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

| HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS (64742-49-0) | |
|---|---|
| LD50 oral rat | 5840 mg/kg |
| LD50 dermal rat | 2920 mg/kg bodyweight |

| methyl acetate (79-20-9) | |
|---|---|
| LD50 oral rat | ≈ 6482 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 49.2 mg/l |

Skin corrosion/irritation : Not classified
pH: No data available

Serious eye damage/irritation : Causes serious eye irritation.
pH: No data available

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause drowsiness or dizziness.

| HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS (64742-49-0) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

| methyl acetate (79-20-9) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

| AS-5001 Green Nails Construction Adhesive Sealant | |
|---|---|
| Viscosity, kinematic | > 40 mm²/s |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term (acute) : Harmful to aquatic life.
Classification procedure (Hazardous to the aquatic environment, short–term (acute)) : Calculation method
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

| HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS (64742-49-0) | |
|---|---|
| LC50 fish 1 | 3 – 10 mg/l |
| EC50 other aquatic organisms 1 | 4.6 – 10 mg/l |

### 12.2. Persistence and degradability

| AS-5001 Green Nails Construction Adhesive Sealant | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS (64742-49-0) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| methyl acetate (79-20-9) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

### 12.3. Bioaccumulative potential

| AS-5001 Green Nails Construction Adhesive Sealant | |
|---|---|
| Bioaccumulative potential | No additional information available |

### 12.4. Mobility in soil

| AS-5001 Green Nails Construction Adhesive Sealant | |
|---|---|
| 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 applicable | 1133 | 1133 |
| **14.2. UN Proper Shipping Name** | | |
| Not applicable | ADHESIVES | Adhesives |
| **Transport document description** | | |
| Not applicable | UN 1133 ADHESIVES, 3, II | UN 1133 Adhesives, 3, II |

| UN RTDG | IMDG | IATA |
|---|---|---|
| **14.3. Transport hazard class(es)** | | |
| Not applicable | 3 | 3 |
| Not applicable |  |  |
| **14.4. Packing group** | | |
| Not applicable | II | II |
| **14.5. Environmental hazards** | | |
| Not applicable | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available | | |

## 14.6. Special precautions for user

**UN RTDG**
Not applicable

**IMDG**

| | | |
|---|---|---|
| Limited quantities (IMDG) | : | 5 L |
| Excepted quantities (IMDG) | : | E2 |
| Packing instructions (IMDG) | : | P001 |
| Special packing provisions (IMDG) | : | PP1 |
| IBC packing instructions (IMDG) | : | IBC02 |
| Tank instructions (IMDG) | : | T4 |
| Tank special provisions (IMDG) | : | TP1, TP8 |
| EmS-No. (Fire) | : | F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS |
| EmS-No. (Spillage) | : | S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS |
| Stowage category (IMDG) | : | B |
| Properties and observations (IMDG) | : | Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. |

**IATA**

| | | |
|---|---|---|
| PCA Excepted quantities (IATA) | : | E2 |
| PCA Limited quantities (IATA) | : | Y341 |
| PCA limited quantity max net quantity (IATA) | : | 1L |
| PCA packing instructions (IATA) | : | 353 |
| PCA max net quantity (IATA) | : | 5L |
| CAO packing instructions (IATA) | : | 364 |
| CAO max net quantity (IATA) | : | 60L |
| Special provisions (IATA) | : | A3 |
| ERG code (IATA) | : | 3L |

## 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

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Supersedes : 7/23/2022

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: | |
|---|---|
| Aquatic Acute 3 | Hazardous to the aquatic environment – Acute Hazard, Category 3 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
| H225 | Highly flammable liquid and vapour |
| H304 | May be fatal if swallowed and enters airways |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H402 | Harmful to aquatic life |
| 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.