

# Safety Data Sheet

XS81-0000-02B  
Version 6.1

AquaSeal GreenStar  
Revision date 20 May 2025

Print date 20 May 2025

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

#### Trade name/designation

XS81-0000-02B AquaSeal GreenStar  
0000 colorless

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

paint and/or paint-related material

#### Relevant identified uses

Reserved for industrial and professional use.

#### Uses advised against

Do not use for injecting or spraying.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

Berger-Seidle GmbH  
Maybachstr. 2 Telephone: +49 6359 8005-0  
67269 Grünstadt E-mail: info@berger-seidle.de  
Germany Website: www.berger-seidle.de

#### Department responsible for information

E-mail (competent person) Sicherheitsdaten@berger-seidle.de

### 1.4 Emergency telephone number

0412 746 970  
24 hr. emergency phone number

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

not applicable

### 2.2 Label elements

#### Hazard pictograms

not applicable

#### Signal word

not applicable

#### Hazard statements

not applicable

#### Precautionary statements

not applicable

#### Hazard components for labelling

not applicable

### 2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 3: Composition/information on ingredients.

### 3.2 Mixtures

#### Description

Wasserverdünnbare Oberflächenbehandlungsmittel, Lösemittelgehalt bis 5%, N-Methy

#### Hazardous ingredients

| CAS No.<br>EC No.<br>Index No. | Substance name<br>REACH No. | weight-% |
|--------------------------------|-----------------------------|----------|
|--------------------------------|-----------------------------|----------|

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|   |                             |                                                                     |               |
|---|-----------------------------|---------------------------------------------------------------------|---------------|
| * | 1071-93-8<br>213-999-5<br>- | <b>Adipohydrazide</b><br>Skin Sens. 1 H317 / Aquatic Chronic 2 H411 | 0,300 < 0,500 |
|---|-----------------------------|---------------------------------------------------------------------|---------------|

## Remark

Full text of H-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

#### Following inhalation

In case of irregular breathing or respiratory arrest provide artificial respiration. Remove casualty to fresh air and keep warm and at rest.

#### Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

#### After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

#### Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

#### Self-protection of the first aider

First aider: Pay attention to self-protection!

### 4.2 Most important symptoms and effects, both acute and delayed

#### Symptoms

In all cases of doubt, or when symptoms persist, seek medical advice.

### 4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Powder, spray mist, (water)

#### Unsuitable extinguishing media

Strong water jet

### 5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

### 5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ventilate affected area. Do not breathe vapours.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

### 6.3 Methods and material for containment and cleaning up

#### For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

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## For cleaning up

Clean using cleansing agents. Do not use solvents.

## 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: refer to section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advices on safe handling

Avoid contact with skin, eyes and clothes. Personal protection equipment: see section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

#### Advices on general occupational hygiene

When using do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

#### Storage class

LGK12 - non-combustible liquids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions

Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Store in a well-ventilated and dry room at temperatures between 5 °C and 25 °C.

### 7.3 Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No data available

#### Biological limit values

No data available

#### \* DNEL worker

| CAS No.   | Substance name | DNEL type                                | DNEL value             |
|-----------|----------------|------------------------------------------|------------------------|
| 1071-93-8 | Adipohydrazide | Long-term – inhalation, systemic effects | 17.5 mg/m <sup>3</sup> |

#### \* PNEC

| CAS No.   | Substance name | PNEC type                     | PNEC Value              |
|-----------|----------------|-------------------------------|-------------------------|
| 1071-93-8 | Adipohydrazide | aquatic, intermittent release | 92 µg/L                 |
| 1071-93-8 | Adipohydrazide | aquatic, marine water         | 6.2 µg/L                |
| 1071-93-8 | Adipohydrazide | sewage treatment plant        | 1,000 mg/L              |
| 1071-93-8 | Adipohydrazide | sediment, freshwater          | 0.241 mg/kg sediment dw |
| 1071-93-8 | Adipohydrazide | sediment, marine water        | 0.024 mg/kg sediment dw |

### 8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

#### Personal protection equipment

##### Respiratory protection

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In case of inadequate ventilation wear respiratory protection.

## Hand protection

Suitable material: NBR (Nitrile rubber)  
Thickness of the glove material  $\geq 0.4$  mm  
Breakthrough time  $\geq 480$  min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.  
Recommended glove articles: EN ISO 374

## Skin protection

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

## Eye/face protection

Eye glasses with side protection: EN 166

## Body protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Anti-static clothing including shoes are recommended.

## Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                         |                                           |                    |
|-----------------------------------------|-------------------------------------------|--------------------|
| Physical state                          | Liquid                                    |                    |
| Colour                                  | gelblich                                  |                    |
| Odour                                   | characteristic                            |                    |
| pH at 20.0 °C (100%)                    | 8 - 8.8                                   | DIN EN ISO 19396-1 |
| Melting point/freezing point            | not determined                            |                    |
| Initial boiling point and boiling range | 100 °C                                    |                    |
|                                         | Source: Water                             |                    |
| Flash point                             | not applicable                            |                    |
| flammability                            | not applicable                            |                    |
| Lower explosion limit at 20°C           | 0.7 Vol-%                                 |                    |
|                                         | Source: Dipropylene glycol dimethyl ether |                    |
| Upper explosion limit at 20°C           | 11.6 Vol-%                                |                    |
|                                         | Source: 2-(2-ethoxyethoxy)ethanol         |                    |
| Vapour pressure at 20°C                 | 20.329 mbar                               |                    |
| Relative vapour density                 | not applicable                            |                    |
| Density at 20 °C                        | 1.05 kg/l                                 |                    |
| Water solubility at 20°C                | completely miscible                       |                    |
| Partition coefficient: n-octanol/water  | see section 12                            |                    |
| Ignition temperature in °C              | 165 °C                                    |                    |
|                                         | Source: Dipropylene glycol dimethyl ether |                    |
| Decomposition temperature               | not determined                            |                    |
| Viscosity at 20 °C                      | 135 mm <sup>2</sup> /s                    |                    |
| particle characteristics                | not applicable                            |                    |

### 9.2 Other information

|                 |        |
|-----------------|--------|
| Solid content   | 33.9 % |
| solvent content | 7.2 %  |
| Water content   | 58 %   |

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

#### 10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

#### 10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

#### 10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

#### 10.5 Incompatible materials

No further relevant information available.

#### 10.6 Hazardous decomposition products

Decomposition products in case of fire: see section 5.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

\* **Acute toxicity**  
Based on available data, the classification criteria are not met.

**Skin corrosion/irritation**  
Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**  
Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.

**Overall assessment on CMR properties**  
Based on available data, the classification criteria are not met.

**STOT-single exposure**  
Based on available data, the classification criteria are not met.

**STOT-repeated exposure**  
Based on available data, the classification criteria are not met.

**Aspiration hazard**  
Based on available data, the classification criteria are not met.

**Practical experience/human evidence**  
Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

#### 11.2 Information on other hazards

**Endocrine disrupting properties**  
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Based on available data, the classification criteria are not met.

#### 12.2 Persistence and degradability

\* No information available.

#### 12.3 Bioaccumulative potential

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\* Partition coefficient: n-octanol/water = -2.4 (Adipohydrazide)

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way.

#### Waste codes/waste designations according to EWC/AVV

080112 - waste paint and varnish other than those mentioned in 08 01 11

#### Other disposal recommendations

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

## SECTION 14: Transport information

### 14.1 UN number or ID number

not applicable

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

No dangerous good in sense of these transport regulations.

#### Sea transport (IMDG)

No dangerous good in sense of these transport regulations.

#### Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

not applicable

### 14.4 Packing group

not applicable

### 14.5 Environmental hazards

|                          |                |
|--------------------------|----------------|
| Land transport (ADR/RID) | not applicable |
| Sea transport (IMDG)     | not applicable |

### 14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

### 14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

### 14.8 Additional information

#### Land transport (ADR/RID)

not applicable

#### Sea transport (IMDG)

not applicable

#### Air transport (ICAO-TI / IATA-DGR)

not applicable

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### SECTION 15: Regulatory information

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

##### National regulations

Observe in addition any national regulations!

### SECTION 16: Other information

#### List of relevant hazard statements and/or precautionary statements from sections 2 to 15

H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

#### Key literature references and sources for data

Data arise from reference works and literature.

#### Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
OEL: Occupational Exposure Limit Value  
BLV: Biological limit values  
CAS: Chemical Abstracts Service  
CLP: Classification, Labelling and Packaging  
CMR: Carcinogenic, Mutagenic and Reprotoxic  
DIN: German Institute for Standardization / German industrial standard  
DNEL: Derived No-Effect Level  
EAKV: European Waste Catalogue Directive  
EC: Effective Concentration  
EC: European Community  
EN: European Standard  
EU/EEA: European Economic Area  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG Code: International Maritime Code for Dangerous Goods  
ISO: International Organization for Standardization  
LC: Lethal Concentration  
LD: Lethal Dose  
:  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
OECD: Organisation for Economic Cooperation and Development  
PBT: persistent, bioaccumulative, toxic  
PNEC: Predicted No Effect Concentration  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
UN: United Nations  
VOC: Volatile Organic Compounds  
vPvB: very persistent and very bioaccumulative

#### Indication of changes

\* Data changed compared with the previous version.