

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025

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

### 1.1 Product identifier

#### Trade name/designation

XZ19-XXXX-0AL AquaSeal FlexFill COLOR  
all shades  
all shades

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

#### Relevant identified uses

Reserved for industrial and professional use. Reserved for industrial and professional use.

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

#### Supplier

Berger-Seidle GmbH  
Maybachstr. 2  
67269 Grünstadt  
Germany  
Telephone: +49 6359 8005-0  
E-mail: [info@berger-seidle.de](mailto:info@berger-seidle.de)  
Website: [www.berger-seidle.de](http://www.berger-seidle.de)

#### Department responsible for information

E-mail (competent person) [Sicherheitsdaten@berger-seidle.de](mailto:Sicherheitsdaten@berger-seidle.de)  
Information telephone

### 1.4 Emergency telephone number

Emergency telephone number: +1 872 5888271 or +11 49 700 24112112  
24 hr. emergency phone number

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

\* Carc. 2 H351 Suspected of causing cancer.

### 2.2 Label elements

Labeling according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Hazard pictograms



GHS08

#### Signal word

\* Warning

#### \* Hazard statements

H351 Suspected of causing cancer.

#### \* Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P201 Obtain special instructions before use.  
P280 Wear protective gloves and eye protection/face protection.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container to industrial incineration plant.

#### Hazard components for labelling

Titanium dioxide

### 2.3 Hazards not otherwise classified (HNOC)

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.

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025

## SECTION 3: Composition/information on ingredients.

### 3.2 Mixtures

#### Description

#### Hazardous ingredients

| CAS No.<br>EC No.<br>Index No.          | Substance name<br>REACH No.                                                                                                                                                              | weight-%      |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 13463-67-7<br>236-675-5<br>-            | <b>Titanium dioxide</b><br>Carc. 2 H351                                                                                                                                                  | 3,00 < 5,00   |
| * 124-68-5<br>204-709-8<br>603-070-00-6 | <b>2-amino-2-methylpropanol</b><br>Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Aquatic Chronic 3 H412                                                                                       | 0,500 < 1,00  |
| * 26172-55-4<br>247-500-7<br>-          | <b>5-chloro-2-methyl-2H-isothiazol-3-one</b><br>Acute Tox. 3 H301 / Acute Tox. 3 H311 / Skin Corr. 1B H314 / Skin Sens. 1 H317 / Eye Dam. 1 H318 / STOT SE 3 H335 / Aquatic Acute 1 H400 | 0,050 < 0,100 |

#### 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.

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025

## 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).

#### 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.

### 7.3 Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

|   | CAS No.    | Substance name   | Source | Long-term /short-term (Spitzenbegrenzung)                              |
|---|------------|------------------|--------|------------------------------------------------------------------------|
| * | 13463-67-7 | Titanium dioxide | ACGIH  | 0.2 / - ( - ) mg/m <sup>3</sup><br>(nanoparticle, respirable fraction) |
| * | 13463-67-7 | Titanium dioxide | ACGIH  | 2.5 / - ( - ) mg/m <sup>3</sup><br>(Fine dust, respirable fraction)    |

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025

|   |            |                  |      |                                    |
|---|------------|------------------|------|------------------------------------|
| * | 13463-67-7 | Titanium dioxide | IDLH | 5,000 / - ( - ) mg/m³              |
| * | 13463-67-7 | Titanium dioxide | OSHA | 15 / - ( - ) mg/m³<br>(total dust) |

## Additional information

Long-term: Long-term occupational exposure limit value

short-term: short-term occupational exposure limit value

## Biological limit values

No data available

## DNEL worker

|   | CAS No.    | Substance name           | DNEL type                                | DNEL value       |
|---|------------|--------------------------|------------------------------------------|------------------|
| * | 124-68-5   | 2-amino-2-methylpropanol | Long-term – inhalation, systemic effects | 6.5 mg/m³        |
| * | 124-68-5   | 2-amino-2-methylpropanol | Long-term - dermal, systemic effects     | 7.3 mg/kg bw/day |
|   | 13463-67-7 | Titanium dioxide         | DNEL long-term inhalative (local)        | 10 mg/m³         |

## DNEL Consumer

|   | CAS No.  | Substance name           | DNEL type                                | DNEL value        |
|---|----------|--------------------------|------------------------------------------|-------------------|
| * | 124-68-5 | 2-amino-2-methylpropanol | Long-term – inhalation, systemic effects | 1.6 mg/m³         |
| * | 124-68-5 | 2-amino-2-methylpropanol | Long-term - dermal, systemic effects     | 37 mg/kg bw/day   |
| * | 124-68-5 | 2-amino-2-methylpropanol | Long-term - oral, systemic effects       | 0.46 mg/kg bw/day |

## PNEC

|   | CAS No.    | Substance name           | PNEC type                          | PNEC Value              |
|---|------------|--------------------------|------------------------------------|-------------------------|
| * | 124-68-5   | 2-amino-2-methylpropanol | aquatic, intermittent release      | 1.88 mg/L               |
| * | 124-68-5   | 2-amino-2-methylpropanol | aquatic, marine water              | 0.019 mg/L              |
| * | 124-68-5   | 2-amino-2-methylpropanol | sewage treatment plant             | 10 mg/L                 |
| * | 124-68-5   | 2-amino-2-methylpropanol | sediment, freshwater               | 0.71 mg/kg sediment dw  |
| * | 124-68-5   | 2-amino-2-methylpropanol | sediment, marine water             | 0.071 mg/kg sediment dw |
|   | 13463-67-7 | Titanium dioxide         | PNEC sediment, marine water        | 100 mg/kg               |
|   | 13463-67-7 | Titanium dioxide         | PNEC sediment, freshwater          | 1,000 mg/kg             |
|   | 13463-67-7 | Titanium dioxide         | PNEC soil, freshwater              | 100 mg/kg               |
|   | 13463-67-7 | Titanium dioxide         | PNEC aquatic, intermittent release | 0.193 mg/L              |
|   | 13463-67-7 | Titanium dioxide         | PNEC aquatic, marine water         | 0.018 mg/L              |
|   | 13463-67-7 | Titanium dioxide         | PNEC aquatic, freshwater           | 0.184 mg/L              |
|   | 13463-67-7 | Titanium dioxide         | PNEC sewage treatment plant (STP)  | 100 mg/L                |

## 8.2 Exposure controls

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

### Personal protection equipment

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Hand protection

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material >= 0.4 mm

Breakthrough time >= 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

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025

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                                  | refer to label                   |
| Odour                                   | characteristic                   |
| pH at 20 °C                             | not applicable                   |
| Melting point/freezing point            | not determined                   |
| Initial boiling point and boiling range | 100 °C                           |
|                                         | Source: Water                    |
| Flash point                             | not determined                   |
| flammability                            | not applicable                   |
| Lower explosion limit at 20°C           | not determined                   |
| Upper explosion limit at 20°C           | not determined                   |
| Vapour pressure at 20°C                 | 0.45 mbar                        |
| Relative vapour density                 | not applicable                   |
| Density at 20 °C                        | 1.06 kg/l                        |
| Water solubility at 20°C                | completely miscible              |
| Partition coefficient: n-octanol/water  | see section 12                   |
| Ignition temperature in °C              | 438 °C                           |
|                                         | Source: 2-amino-2-methylpropanol |
| Decomposition temperature               | not determined                   |
| Viscosity at 40 °C                      | thixotropic                      |
| particle characteristics                | not applicable                   |

### 9.2

|                       |       |
|-----------------------|-------|
| aromatic hydrocarbons | 0.0 % |
|-----------------------|-------|

## 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.

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025

## 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.

#### \* 2-amino-2-methylpropanol

LD50: dermal (Rabbit): > 2,000 mg/kg

#### 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

\* Suspected of causing cancer.

#### 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

Inhalation 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 meet the criteria.

## SECTION 12: Ecological information

### 12.1 Toxicity

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

#### Acute (short-term) fish toxicity

#### \* 2-amino-2-methylpropanol

LC50: (Leuciscus idus (golden orfe)): 331 mg/L (48 h)

\* NOEC (Leuciscus idus (golden orfe)): 320 mg/L (48 h)

#### \* Acute (short-term) toxicity to algae and cyanobacteria

NOEC (Pseudokirchneriella subcapitata): 6.6 mg/L (72 h)

\* EC50 (Pseudokirchneriella subcapitata): > 103 mg/L (72 h)

\* EC10: (Pseudokirchneriella subcapitata): 68.8 mg/L (72 h)

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

\* Partition coefficient: n-octanol/water = -0.63 (2-amino-2-methylpropanol)

### 12.4 Mobility in soil

No information available.

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025

## 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

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### 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 (US DoT 49 CFR)

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 (US DoT 49 CFR) 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 (US DoT 49 CFR)

not applicable

#### Sea transport (IMDG)

not applicable

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

not applicable

## SECTION 15: Regulatory information

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

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)

XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025

## National regulations

Observe in addition any national regulations!

SARA Title III Section 311/312 Hazard Categories:

- \* Refer to section 2 of the safety data sheet.  
This product contains max. 0 g/l g/l VOC (according to ASTM D2369).

## Substance/product listed in the following inventories

Australian Inventory of Chemical Substances (AICS) - AU

Domestic Substances List (DSL) - CA

Japanese Existing and New Chemical Substances Inventory (ENCS) - JP

U.S. Toxic Substances Control Act (TSCA) - US

## SECTION 16: Other information

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

- |        |                                                                                                                                       |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|
| H301   | Toxic if swallowed.                                                                                                                   |
| H311   | Toxic in contact with skin.                                                                                                           |
| H314   | Causes severe skin burns and eye damage.                                                                                              |
| H315   | Causes skin irritation.                                                                                                               |
| H317   | May cause an allergic skin reaction.                                                                                                  |
| H318   | Causes serious eye damage.                                                                                                            |
| * H319 | Causes serious eye irritation.                                                                                                        |
| H335   | May cause respiratory irritation.                                                                                                     |
| H351   | Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| * H400 | Very toxic to aquatic life.                                                                                                           |
| * H412 | Harmful 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.

# Safety Data Sheet

according to US OSHA Hazard Communication Standard (29 CFR 1910.1200)



XZ19-XXXX-0AL  
Version 4.2

AquaSeal FlexFill COLOR  
Revision date Oct 29, 2025

Print date Oct 29, 2025