

SAFETY DATA SHEET

POLY MAX Sealant White

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

1.1. Product identifier

Trade name

POLY MAX Sealant White

Other names / Synonyms

Unipak Poly Max Sealant All Joints White

▼ Product no.

7008057, 7008145

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

Relevant identified uses of the substance or mixture

Adhesive

Restricted to professional and industrial use.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Unipak A/S

Marktoften 3C

8464 Galten

Denmark

+45 8626 1177

www.unipak.dk

E-mail

sales@unipak.dk

Revision

17/02/2026

SDS Version

1.1

Date of previous version

03/02/2026 (1.0)

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s)

Not applicable.

Signal word

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

General

Not applicable.

Prevention

Not applicable.

Response

Not applicable.

Storage

Not applicable.

Disposal

Not applicable.

Hazardous substances

Does not contain any substances required to report

Additional labelling

EUH208, Contains trimethoxyvinylsilane; trimethoxy(vinyl)silane, N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide). May produce an allergic reaction.

2.3. Other hazards

During curing methanol (CAS 67-56-1) is produced.

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|--|---|---------|--|------|
| trimethoxyvinylsilane; trimethoxy(vinyl)silane | CAS No.: 2768-02-7 EC No.: 220-449-8 UK-REACH: Index No.: 014-049-00-0 | 2,5-10% | Flam. Liq. 3, H226 Skin Sens. 1B, H317 (SCL: 10.00 %) Acute Tox. 4, H332 | |
| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) | CAS No.: 123-26-2 EC No.: 204-613-6 UK-REACH: Index No.: | <1% | Skin Sens. 1B, H317 Aquatic Chronic 3, H412 | |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | CAS No.: 52829-07-9 EC No.: 258-207-9 UK-REACH: Index No.: | <1% | Eye Dam. 1, H318 Repr. 2, H361f Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411 | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No specific requirements

Inhalation

In case of discomfort: bring the person into fresh air.

Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Remove contact lenses, if present. Flush eyes with plenty of water or salt water (20-30°C) and continue until irritation stops. Normally rinsing for less than 5 minutes is sufficient.

Ingestion

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO_x)

Carbon oxides (CO / CO₂)

Some metal oxides

5.3. Advice for firefighters

No specific requirements.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

No special conditions required.

Recommended storage material

Always store in containers of the same material as the original container.

Storage conditions

No specific requirements.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Calcium carbonate

Long term exposure limit (8 hours) (mg/m³): 10(inhalable)/4(respirable)

Titanium dioxide

Long term exposure limit (8 hours) (mg/m³): 10(inhalable)/4(respirable)

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

| Duration: | Route of exposure: | DNEL: |
|---|--------------------|------------------------|
| Long term – Systemic effects - Workers | Dermal | 1.8 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 310 µg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 1.27 mg/m ³ |
| Long term – Systemic effects - General population | Oral | 180 µg/kg bw/day |

Fatty acids, C16-C18

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|----------|
| Long term – Systemic effects - Workers | Dermal | 10 mg/kg |

| | | |
|---|---------------------------|---------------------------------|
| Long term – Systemic effects - Workers | Inhalation | 17,632 mg/m ³ |
| Titanium dioxide | | |
| Duration: | Route of exposure: | DNEL: |
| Long term | Inhalation | 10 mg/m ³ |
| trimethoxyvinylsilane; trimethoxy(vinyl)silane | | |
| Duration: | Route of exposure: | DNEL: |
| Long term – Systemic effects - General population | Dermal | 7,8 (rat) mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 3.9 (rat) mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 6.7 (rat) mg/m ³ |
| Long term – Systemic effects - General population | Inhalation | 18,9 (rabbit) mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 27.6 (rat) mg/m ³ |
| Long term – Systemic effects - General population | Oral | 0.3 (rat) mg/kg bw/day |

PNEC

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

| | | |
|---------------------------|------------------------------|--------------|
| Route of exposure: | Duration of Exposure: | PNEC: |
| Freshwater | | 3.76 µg/L |
| Freshwater sediment | | 5.9 mg/kg |
| Marine water | | 380 ng/L |
| Marine water sediment | | 590 µg/kg |
| Sewage treatment plant | | 1 mg/L |
| Soil | | 1.18 mg/kg |

Titanium dioxide

| | | |
|---------------------------|------------------------------|--------------|
| Route of exposure: | Duration of Exposure: | PNEC: |
| Freshwater | | 0,127 mg/L |
| Freshwater sediment | | >= 1000 mg/L |
| Marine water | | >= 1 mg/L |
| Marine water sediment | | >= 100 mg/L |
| Sewage treatment plant | | >= 100 mg/L |
| Soil | | 100 mg/L |
| Water | | 0,61 mg/L |

trimethoxyvinylsilane; trimethoxy(vinyl)silane

| | | |
|---------------------------|------------------------------|----------------------------|
| Route of exposure: | Duration of Exposure: | PNEC: |
| Freshwater | | 400 (rat) µg/L |
| Freshwater sediment | | 1.5 dry weight (rat) mg/kg |
| Intermittent release | | 2,4 (rat) mg/L |
| Marine water | | 40 (rat) µg/L |
| Marine water sediment | | 150 dry weight (rat) µg/kg |
| Sewage treatment plant | | 6,6 (rat) mg/L |
| Soil | | 60 (rat) µg/kg |

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

Wash hands after use.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

| Type | Class | Colour | Standards |
|--|-------|--------|-----------|
| Respiratory protection is not needed in the event of adequate ventilation. | | | |

Skin protection

No specific requirements.

Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|----------|----------------------|--------------------------|------------------|
| Nitrile | > 0.12 | ≥ 10 | EN374-3, Level 1 |



Eye protection

| Work situation | Type | Standards |
|---|-----------------------------------|-----------|
| When there is risk of splash- / intermittent exposure | Safety glasses with side shields. | EN166 |



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

White

Odour / Odour threshold

Characteristic

pH

Not applicable

▼ Density (g/cm³)

1.43

Kinematic viscosity

No data available.

Dynamic viscosity

100000 mPa.s (20 °C)

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

No data available.

Softening point/range (°C)

Does not apply to liquids.

Boiling point (°C)

No data available.

Vapour pressure

No data available.

Relative vapour density

No data available.

Decomposition temperature (°C)

No data available.

Data on fire and explosion hazards

Flash point (°C)

No data available.

Flammability (°C)

No data available.

Auto-ignition temperature (°C)

No data available.

Lower and upper explosion limit (% v/v)

No data available.

Solubility

Solubility in water

Practically insoluble

n-octanol/water coefficient (LogKow)

No data available.

Solubility in fat (g/L)

No data available.

9.2. Other information

VOC (g/l)

0

Oxidizing properties

No data available.

Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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 hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

▼ Acute toxicity

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

| | |
|--------------------|--|
| Product/substance | trimethoxyvinylsilane; trimethoxy(vinyl)silane |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 (4 hours) |
| Result: | 16,8 mg/L |

| | |
|--------------------|--|
| Product/substance | trimethoxyvinylsilane; trimethoxy(vinyl)silane |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 6899 mg/kg |

| | |
|--------------------|--|
| Product/substance | trimethoxyvinylsilane; trimethoxy(vinyl)silane |
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | 3158 mg/kg |

| | |
|--------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | > 5000 mg/kg · |

| | |
|--------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | > 6,8 mg/L/4h · |

| | |
|--------------------|----------------------|
| Product/substance | Fatty acids, C16-C18 |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | >5000 mg/kg · |

| | |
|--------------------|----------------------|
| Product/substance | Fatty acids, C16-C18 |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >2000 mg/kg · |

| | |
|--------------------|---|
| Product/substance | Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 3700 mg/kg |

| | |
|--------------------|---|
| Product/substance | Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate |
| Species: | Rat |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | > 3170 mg/kg |

| | |
|--------------------|---|
| Product/substance | Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | 7,7 mg/L |

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

▼ Skin corrosion/irritation

| | |
|-------------------|--|
| Product/substance | trimethoxyvinylsilane; trimethoxy(vinyl)silane |
| Species: | Mouse |
| Result: | No adverse effect observed (Not irritating) |

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

▼ Serious eye damage/irritation

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

▼ Respiratory sensitisation

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

Skin sensitisation

This product contains substances that may trigger an allergic reaction in already sensitized persons.

▼ Germ cell mutagenicity

| | |
|-------------------|----------------------------|
| Product/substance | Fatty acids, C16-C18 |
| Test method: | OECD 476 |
| Species: | Rat |
| Description: | Negative |
| Conclusion: | No adverse effect observed |

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

▼ Carcinogenicity

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

▼ Reproductive toxicity

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.

Symptoms related to the physical, chemical and toxicological characteristics

None known.

11.2. Information on other hazards

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

Titanium dioxide has been classified by IARC as a group 2B carcinogen.

SECTION 12: Ecological information

12.1. ▼ Toxicity

| | |
|-------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | > 1000 mg/L · |

| | |
|-------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Daphnia |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | > 1000 mg/L · |

| | |
|-------------------|------------------|
| Product/substance | Titanium dioxide |
| Species: | Algae |
| Duration: | 72 hours |
| Test: | EC50 |
| Result: | 61 mg/L · |

| | |
|-------------------|----------------------|
| Product/substance | Fatty acids, C16-C18 |
| Species: | Fish |
| Duration: | 96 hours |
| Test: | LC50 |
| Result: | >1000 mg/L · |

| | |
|-------------------|----------------------|
| Product/substance | Fatty acids, C16-C18 |
| Species: | Daphnia |
| Duration: | 48 hours |
| Test: | EC50 |
| Result: | >32 mg/L · |

| | |
|-------------------|----------------------|
| Product/substance | Fatty acids, C16-C18 |
| Species: | Algae |
| Duration: | 72 hours |
| Test: | EC50 |
| Result: | >0,9 mg/L · |

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

12.2. ▼ Persistence and degradability

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

12.3. Bioaccumulative potential

| | |
|-------------------|----------------------------------|
| Product/substance | Titanium dioxide |
| Conclusion: | No potential for bioaccumulation |

| | |
|-------------------|----------------------|
| Product/substance | Fatty acids, C16-C18 |
| BCF: | 234 |
| Conclusion: | - |

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

SECTION 13: Disposal considerations

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|-------------|-----------------|---------------------------------|--------------------------|-------------|---------------|-----------------------|
| ADR/ADN/RID | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Industrial use only.

Demands for specific education

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances

Not applicable.

UK-REACH, Annex XVII

trimethoxyvinylsilane; trimethoxy(vinyl)silane is subject to UK-REACH restrictions (entry 40).

Additional information

Not applicable.

Sources

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H332, Harmful if inhaled.

H361f, Suspected of damaging fertility.

H400, Very toxic to aquatic life.

H411, Toxic to aquatic life with long lasting effects.

H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

THA

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en