

Material Safety Datasheet for Solseal Aqua Barrier – Component B

SECTION 1: IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Material & Description: Two component water-thinable epoxy coat.
Trade Name: Solseal Aqua Barrier.
Chemical Name & Synonyms: None.
Manufacturer: Solco.
Address: Unit 51, Portmanmoor Road Ind Est, Ocean Park, Cardiff, CF24 5HB.
Emergency Telephone Number: + 44 (0)808 1686927.

Relevant identified uses

Industrial/Professional use spec : For professional use only.
 Use of the substance/mixture : Two component water-thinable epoxy coat.

Uses advised against

No additional information available

SECTION 2: HAZARDS IDENTIFICATION / ADVERSE HUMAN HEALTH EFFECTS

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315
 Serious eye damage/eye irritation, Category 1 H318
 Skin sensitisation, Category 1 H317
 Hazardous to the aquatic environment — H410
 Chronic Hazard, Category 1
 Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

GHS07

GHS09

Signal word (CLP) : Danger

Hazardous ingredients : Fatty acids, C18-unsatd, dimers, polymers with Bisphenol A,
 Epichlorohydrin, Formaldehyde, Glycidyl Toly Ether, tall oil fatty acid

Hazard statements (CLP) : H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
 P280 - Wear protective gloves, face protection, eye protection.
 P261 - Avoid breathing vapours.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P273 - Avoid release to the environment.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other Hazards

No additional information available

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1. Substances**

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|---------|--|
| Fatty acids, C18-unsatd, dimers, polymers with bisphenol A, epichlorohydrin, formaldehyde, glycidyl tolyl ether, tall oil fatty acid | (CAS-No.) 210369-44-1 | 17 - 30 | Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Acetic acid ... % | (CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 (REACH-no) 01-2119475328-30 | <7 | Flam. Liq. 3, H226 Skin Corr. 1A, H314 |
| Methanol | (CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X | <2 | Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|-------------------|---|--|
| Acetic acid ... % | (CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 (REACH-no) 01-2119475328-30 | (10 =<C < 25) Eye Irrit. 2, H319 (10 =<C < 25) Skin Irrit. 2, H315 (25 =<C < 90) Skin Corr. 1B, H314 (C >= 90) Skin Corr. 1A, H314 |
| Methanol | (CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X | (3 =<C < 10) STOT SE 2, H371 (C >= 10) STOT SE 1, H370 |

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES**4.1. Description of First Aid Measures**

| | |
|---------------------------------------|--|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Assure fresh air breathing. Allow the victim to rest. |
| First-aid measures after skin contact | : Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation 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 | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

4.2. Most Important Symptoms and Effects, both Acute and Delayed

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : May cause an allergic skin reaction. |
| Symptoms/effects after skin contact | : Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

No additional information available

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

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

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special Hazards Arising from the Substance or Mixture

No additional information available

5.3. Advice for Firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and Material Containment and Cleaning Up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing vapours.

Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Direct sunlight. Extremely high or low temperatures.

7.3. Specific End Use(s)

No additional information available

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

| | |
|---------------------------------|------------------------------------|
| Hand protection | Wear protective gloves. |
| Eye protection | Chemical goggles or safety glasses |
| Skin and body protection | Wear suitable protective clothing |
| Respiratory protection | Wear appropriate mask |

Other information:

Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| | |
|--|----------------------------------|
| Physical state | : Liquid. |
| Colour | : Light yellow. |
| Odour | : Amine-like. |
| Odour threshold | : No data available. |
| pH | : 10. |
| Relative evaporation rate (butylacetate=1) | : No data. |
| Melting point | : No data. |
| Freezing point | : No data available. |
| Boiling point | : No data available. |
| Flash point | : >65°C. |
| Auto-ignition temperature | : No data available. |
| Decomposition temperature | : No data available. |
| Flammability (solid, gas) | : Not applicable, Non flammable. |
| Vapour pressure | : No data available. |
| Relative vapour density at 20 °C | : No data available. |
| Relative density | : No data available. |
| Density | : 1.02 g/cm ³ . |
| Solubility | : Soluble in water. |
| Log Pow | : No data available. |
| Viscosity, kinematic | : 735,294 mm ² /s. |
| Viscosity, dynamic | : 750 cP. |
| Explosive properties | : No data available. |
| Oxidising properties | : No data available. |
| Explosive limits | : No data available. |

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available

10.2. Chemical Stability

Stable under recommended handling and storage conditions (see Section 7).

10.3. Possibility of Hazardous Reactions

None under normal use.

10.4. Conditions to Avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible Materials

Strong acids. Strong bases.

10.6. Hazardous Decomposition Products

None under normal conditions.

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 pH: 10 |
| Serious eye damage/irritation | : Causes serious eye damage. pH: 10 |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Carcinogenicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Reproductive toxicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| STOT-single exposure | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| STOT-repeated exposure | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Aspiration hazard | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |

Solseal Aqua Barrier Component B

| | |
|----------------------|----------------------------|
| Viscosity, kinematic | 735,294 mm ² /s |
|----------------------|----------------------------|

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

| | |
|--------------------------|---|
| Ecology - water | : Toxic to aquatic life with long lasting effects. |
| Acute aquatic toxicity | : Not classified |
| Chronic aquatic toxicity | : Very toxic to aquatic life with long lasting effects. |

Safety Data Sheet



12.2. Persistence and Degradability

Persistence and degradability : May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

Bioaccumulative potential : No available data.

12.4. Mobility in Soil

No additional information available.

12.5. Results of PBT and vPvB Assessment

No additional information available.

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a hazardous or special waste collection point.

Ecology - Waste Materials : Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN Number

UN-No. (ADR) : 3082
 UN-No. (IMDG) : 3082
 UN-No. (IATA) : 3082
 UN-No. (ADN) : Not applicable
 UN-No. (RID) : Not applicable

14.2. UN Proper Shipping Name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 Proper Shipping Name (IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 Proper Shipping Name (ADN) : Not applicable
 Proper Shipping Name (RID) : Not applicable
 Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Modified Polyamidoamine adduct), 9, III, (E)
 Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Modified Polyamidoamine adduct), 9, III, MARINE POLLUTANT
 Transport document description (IATA) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Modified Polyamidoamine adduct), 9, III

14.3. Transport Hazard Class(es)

ADR

Transport hazard class(es) (ADR) : 9
 Danger labels (ADR) : 9



Safety Data Sheet

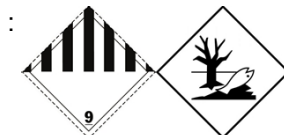
IMDG

Transport hazard class(es) (IMDG)

9

Danger labels (IMDG)

9



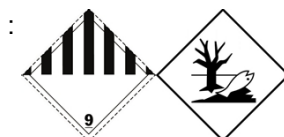
IATA

Transport hazard class(es) (IATA)

9

Hazard labels (IATA)

9



ADN

Transport hazard class(es) (ADN)

: Not applicable



RID

Transport hazard class(es) (RID)

: Not applicable



14.4. Control Parameters

| | |
|----------------------|------------------|
| Packing group (ADR) | III |
| Packing group (IMDG) | III |
| Packing group (IATA) | III |
| Packing group (ADN) | : Not applicable |
| Packing group (RID) | : Not applicable |

14.5. Environmental Hazards

| | |
|-------------------------------|--|
| Dangerous for the environment | : Yes |
| Marine pollutant | : Yes |
| Other information | : No supplementary information available |

14.6. Special Precautions for User

Overland transport

| | |
|----------------------------------|---------------------------|
| Classification code (ADR) | : M6 |
| Special provisions (ADR) | : 274, 335, 601 |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR) | : PP1 |
| Mixed packing provisions (ADR) | : MP19 |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 3 |

Safety Data Sheet



Special provisions for carriage - Packages : V12
(ADR)

Special provisions for carriage - : CV13
Loading, unloading and handling
(ADR)

Hazard identification number (Kemler No.) 90

Orange plates



Tunnel restriction code (ADR) : E

EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y964

PCA limited quantity max net quantity : 30kgG
(IATA)

PCA packing instructions (IATA) : 964

PCA max net quantity (IATA) : 450L

CAO packing instructions (IATA) : 964

CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197

ERG code (IATA) : 9L

Inland waterway transport

No data available

Rail transport

No data available

14.7. Transport in Bulk according to Annex II of Marpol and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety and Environmental Regulations / Legislation Specific for the Substance or Mixture

EU-Regulations

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no REACH Annex XIV substances.

Directive 2012/18/EU (SEVESO III).

15.2. Chemical Safety Assessment

No data available.

SECTION 16: OTHER INFORMATION

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16. December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC, and amending Regulation (EC) No 1907/2006.

Other : None.
information

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT SE 1 | Specific target organ toxicity - single exposure, Category 1 |
| H225 | Highly flammable liquid and vapour |
| H226 | Flammable liquid and vapour |
| H301 | Toxic if swallowed |
| H311 | Toxic if 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. |
| H331 | Toxic if inhaled. |
| H370 | Causes damage to organs. |
| H410 | Very toxic to aquatic life with long lasting effects |

SDS EU (REACH Annex II)

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