



# ECOBOND + ECOBOND H

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 19/01/2011 Revision date: 16/02/2021 Version: 2.2

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ECOBOND + ECOBOND H  
Product group : Blend

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use, Consumer uses, Industrial uses.  
Industrial/Professional use spec : Adhesive

##### 1.2.2. Uses advised against

No additional information available

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

##### Distributor

SealEco  
Kävsjövägen 38  
P.O. Box P.O. Box 514, 331 25 Värnamo  
331 35 Värnamo - SWEDEN  
T +46 (0) 370 510 100 - F +46 (0) 370 510 101  
[info@sealeco.com](mailto:info@sealeco.com) - [www.sealeco.com](http://www.sealeco.com)

#### 1.4. Emergency telephone number

Emergency number : +46 8 33 12 31 (International) 112 (National)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.  
No labelling applicable

#### 2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.  
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Catalyst	(CAS-No.) 93925-43-0 (EC-No.) 300-346-5	≤ 2	Flam. Liq. 3, H226 STOT RE 1, H372 Aquatic Chronic 4, H413
Vinyltrimethoxysilane	(CAS-No.) 2768-02-7 (EC-No.) 220-449-8 (REACH-no) 01-2119513215-52	< 1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1B, H317 STOT RE 2, H373
Gamma-Aminopropyltrimethoxysilane	(CAS-No.) 13822-56-5	< 1	Skin Irrit. 2, H315
Organoalkoxysilane	(CAS-No.) 1760-24-3 (EC-No.) 217-164-6 (REACH-no) 01-2119970215-39	≤ 0,5	Eye Dam. 1, H318 Skin Sens. 1, H317

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove victim to fresh air. When there is no quick recovery : consult a doctor/medical service.
First-aid measures after skin contact	: Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Do not induce vomiting. Consult a doctor/medical service.

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

No additional information available

### 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	: carbon dioxide (CO <sub>2</sub> ), dry chemical powder, foam, hazy water,sand/earth. Do not use a heavy water stream.
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### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: In dry state: not easily combustible.
Reactivity in case of fire	: On burning release of harmful/irritant gases/vapours e.g.: (carbon monoxide - carbon dioxide). Reacts with water (moisture).

### 5.3. Advice for firefighters

Precautionary measures fire	: Shut off leaks if without risks. Evacuate unnecessary personnel.
Firefighting instructions	: Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

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

General measures : Ensure adequate air ventilation. When handling product, avoid contact with skin and eyes.

##### 6.1.1. For non-emergency personnel

Protective equipment : Use protective clothing. See Heading 8.

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent entry of product in public water, sewers or soil.

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

For containment : Contain released substance, pump into suitable containers.

Methods for cleaning up : Collect spillage. Wash down leftovers with plenty of water.

#### 6.4. Reference to other sections

See also sections (8, 13).

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : ventilate the area.

Precautions for safe handling : Do not eat, drink or smoke when using this product. Protect from moisture. Avoid contact with skin and eyes. Observe normal hygiene standards.

Handling temperature : 5 – 35 °C

Hygiene measures : Do not eat, drink or smoke when using this product.

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

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry place. Keep out of frost.

Maximum storage period : 12 months

Storage temperature : 5 – 30 °C

Storage area : Keep only in the original container. Keep away from moisture. Store in a dry area.

#### 7.3. Specific end use(s)

Glue.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

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### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear security glasses when the product is being sprayed or may splash.

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Standard working clothes

##### Hand protection:

Avoid contact with skin. Wear suitable gloves.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Ensure adequate ventilation

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: pasty
Colour	: White.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: None known
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available

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Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,55 g/cm <sup>3</sup> ± 0,1
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: ± 54000 mm <sup>2</sup> /s ± 15.000 (Spindel 7, 50 t/min)
Viscosity, dynamic	: 39000 – 69000 mPa·s 20°C Spindel 7 50 rpm
Explosive properties	: Not applicable.
Oxidising properties	: No data available
Explosive limits	: Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

On burning release of harmful/irritant gases/vapours e.g.: (carbon monoxide - carbon dioxide). Reacts with water (moisture). traces of methanol may be possible.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Avoid temperature above 100°C.

### 10.5. Incompatible materials

Water.

### 10.6. Hazardous decomposition products

Combustion products may include: carbon oxides (CO, CO<sub>2</sub>).

## 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

### ECOBOND + ECOBOND H

LD50 oral rat	20000 mg/kg
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### Vinyltrimethoxysilane (2768-02-7)

LD50 oral rat	> 7300 mg/kg
LD50 dermal rabbit	> 3400 mg/kg
LC50 Inhalation - Rat	16,79 mg/l/4h

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### Gamma-Aminopropyltrimethoxysilane (13822-56-5)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

### Organoalkoxysilane (1760-24-3)

LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	1,49 – 2,44 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity), Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation	: Not classified pH: Not applicable
Serious eye damage/irritation	: Not classified pH: Not applicable
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

### Catalyst (93925-43-0)

STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
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### Vinyltrimethoxysilane (2768-02-7)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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### Organoalkoxysilane (1760-24-3)

NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 1545 mg/kg bodyweight Animal: rat

Aspiration hazard	: Not classified
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### ECOBOND + ECOBOND H

Viscosity, kinematic	± 54000 mm <sup>2</sup> /s ± 15.000 (Spindel 7, 50 t/min)
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: No data available. Prevent soil and water pollution.
Ecology - water	: insoluble in water
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

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### Vinyltrimethoxysilane (2768-02-7)

LC50 - Fish [1]	> 100 mg/l 96h
EC50 - Crustacea [1]	> 100 mg/l 48h
EC50 - Other aquatic organisms [1]	> 100 mg/l 72h

### Gamma-Aminopropyltrimethoxysilane (13822-56-5)

LC50 - Fish [1]	1264 mg/l
LC50 - Other aquatic organisms [1]	302 mg/l Daphnia magna

### Organoalkoxysilane (1760-24-3)

LC50 - Fish [1]	597 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	81 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	126 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	352 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

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

### 14.1 UN number

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

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UN-No. (ADN) : Not applicable  
UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

**ADR**  
Transport hazard class(es) (ADR) : Not applicable  
:

**IMDG**  
Transport hazard class(es) (IMDG) : GEEN (VRIJ)  
Danger labels (IMDG) : GEEN, VRIJ  
:

**IATA**  
Transport hazard class(es) (IATA) : geen (vrij)  
Danger labels (IATA) : geen, vrij  
:

**ADN**  
Transport hazard class(es) (ADN) : Not applicable

**RID**  
Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

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

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : Not classified as dangerous for the environment

### 14.6. Special precautions for user

**Overland transport**  
Transport regulations (ADR) : Not subject

**Transport by sea**  
No data available

**Air transport**  
Transport regulations (IATA) : Not subject

**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



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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### 15.1.2. National regulations

###### Germany

Water hazard class (WGK)

: WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

###### Netherlands

SZW-lijst van kankerverwekkende stoffen

: Catalyst is listed

SZW-lijst van mutagene stoffen

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

: None of the components are listed

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting

: None of the components are listed

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting

: None of the components are listed

giftige stoffen – Ontwikkeling

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Data sources : The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty.

#### Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.

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H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.

Safety Data Sheet (SDS), EU

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.