

# HydraCure D3 PVA

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue:17/12/2019 Revision date: :

Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : HydraCure D3  
Type of product : Adhesives, sealants  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Industrial/Professional use spec : Adhesives, sealants  
Use of the substance/mixture : Industrial use  
Function or use category : Adhesives, sealants

##### 1.2.2. Uses advised against

No additional information available

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

[AdCo UK Limited](#)  
Passfield Business Centre  
Lynchborough Road  
Liphook  
GU30 7SB

#### 1.4. Emergency telephone number

Emergency number : 01428 751755 / 07515509417

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|----------------------|---------|------------------|---------|
|         |                      |         |                  |         |

### SECTION 2: Hazards identification

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

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

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements : see section 16

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

CLP Signal word : Warning  
Hazard statements (CLP) : H319 - Causes serious eye irritation.  
Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective clothing, eye protection, face protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
EUH-statements : EUH208 - Contains A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1). May produce an allergic reaction.

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### 2.3. Other hazards

Other hazards not contributing to the classification : The components in this formulation do not meet the criteria for classification as PBT or vPvB.

## 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]   |
|--|---|----------|---|
| Aluminium chloride   | (CAS-No.) 1327-41-9<br>(EC-No.) 215-477-2<br>(REACH-no) 01-2119531563-43                              | 1 - 5    | Met. Corr. 1, H290<br>Eye Dam. 1, H318  |
| butyldiglycolacetaat<br>substance with national workplace exposure limit(s) (DE, LT, SE)                                       | (CAS-No.) 124-17-4<br>(EC-No.) 204-685-9<br>(REACH-no) 01-2119475110-51                               | 1 - 5    | Not classified  |
| Bronopol   | (CAS-No.) 52-51-7<br>(EC-No.) 200-143-0<br>(EC Index-No.) 603-085-00-8<br>(REACH-no) 01-2119980938-15 | < 0,03   | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 2, H411                                 |
| A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1) | (CAS-No.) 55965-84-9<br>(EC Index-No.) 613-167-00-5   | < 0,0015 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 2 (Dermal), H310<br>Acute Tox. 2 (Inhalation), H330<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

#### Specific concentration limits:

| Name   | Product identifier                                  | Specific concentration limits  |
|--|---|--|
| A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1) | (CAS-No.) 55965-84-9<br>(EC Index-No.) 613-167-00-5 | ( 0,0015 =<C < 100) Skin Sens. 1A, H317<br>( 0,06 =<C < 0,6) Eye Irrit. 2, H319<br>( 0,06 =<C < 0,6) Skin Irrit. 2, H315<br>( 0,6 =<C < 100) Skin Corr. 1B, H314 |

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 : Allow affected person to breathe fresh air. Allow the victim to rest. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Remove contaminated clothing and shoes. Wash with plenty of water. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact : Rinse immediately with plenty of water. Get immediate medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Take immediately victim to hospital.

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

Symptoms/effects after inhalation : Not applicable.

Symptoms/effects after skin contact : May cause moderate irritation.

Symptoms/effects after eye contact : May cause slight irritation.

Symptoms/effects after ingestion : Ingestion may cause nausea, vomiting and diarrhea.

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

After adequate first aid, no further treatment is required unless symptoms reappear.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : For extinguishing, use sand, earth, powder or foam.

Unsuitable extinguishing media : None known.

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

Fire hazard : In dry state: combustible.

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Explosion hazard : Not applicable.  
Reactivity in case of fire : None.

### 5.3. Advice for firefighters

Precautionary measures fire : Do not allow run-off from fire-fighting to enter drains or water courses.  
Protection during firefighting : Wear a self-contained breathing apparatus and chemical protective clothing.  
Other information : Combustion produces toxic gases.

## SECTION 6: Accidental release measures

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

General measures : Avoid contact with skin and eyes.

#### 6.1.1. For non-emergency personnel

Protective equipment : Protective gloves made of PVC. Safety glasses. Avoid : Repeated or prolonged skin contact.  
Emergency procedures : Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Protective gloves made of PVC.  
Emergency procedures : Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Prevent soil and water pollution. SECTION 12: Ecological information.

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

For containment : Contain leaking substance, pump over in suitable containers.  
Methods for cleaning up : Collect in closed and suitable containers for disposal. Clean up even minor leaks or spills and spread granular absorbent promptly. Disposal must be done according to official regulations. SECTION 13: Disposal considerations.  
Other information : Comply with local regulations for disposal.

### 6.4. Reference to other sections

SECTION 12. SECTION 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Do not eat, drink or smoke during use.  
Precautions for safe handling : Keep container in a well-ventilated place. Avoid contact with skin, eyes and clothes. Ensure adequate ventilation.  
Handling temperature : 5 - 40 °C  
Hygiene measures : Use good personal hygiene practices.

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

Technical measures : Clean bulk tanks periodically to prevent accumulation of bacteria.  
Storage conditions : Protect from sunlight. Protect against frost.  
Maximum storage period : 6  
Storage temperature : 5 - 40 °C  
Heat and ignition sources : Protect from sunlight.  
Storage area : Protect against frost.  
Special rules on packaging : Storage in plastic is recommended. Storage in stainless steel is recommended. Storage containers must be free of contamination before use.

### 7.3. Specific end use(s)

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.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| butyldiglycolacetaat (124-17-4) |   |  |
|---------------------------------|---|--|
| Germany                         | TRGS 900 Local name   | 2-(2-Butoxyethoxy)ethylacetat  |
| Germany                         | TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> ) | 67 mg/m <sup>3</sup>   |
| Germany                         | TRGS 900 Occupational exposure limit value (ppm)                | 10 ppm   |
| Germany                         | TRGS 900 Remark   | DFG,Y,11   |
| Lithuania                       | Local name  | 2-(2-butoksietoksi) etilacetatas (2-oksidiestanolio monobutileterio acetatas, dietilenglikolio monobutileterio acetatas) |

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| butyldiglycolacetaat (124-17-4) |   |   |
|---------------------------------|---|---|
| Lithuania                       | IPRV (mg/m <sup>3</sup> )                 | 130 mg/m <sup>3</sup>   |
| Lithuania                       | IPRV (ppm)                                | 15 ppm  |
| Lithuania                       | TPRV (mg/m <sup>3</sup> )                 | 250 mg/m <sup>3</sup>   |
| Lithuania                       | TPRV (ppm)                                | 30 ppm  |
| Sweden                          | Local name                                | Dietylenglykolmonobutyleteracetat   |
| Sweden                          | nivågränsvärde (NVG) (mg/m <sup>3</sup> ) | 130 mg/m <sup>3</sup>   |
| Sweden                          | nivågränsvärde (NVG) (ppm)                | 15 ppm  |
| Sweden                          | kortidsvärde (KTV) (mg/m <sup>3</sup> )   | 250 mg/m <sup>3</sup>   |
| Sweden                          | kortidsvärde (KTV) (ppm)                  | 30 ppm  |
| Sweden                          | Anmärkning (SE)                           | V (Vägledande kortidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas) |

### 8.2. Exposure controls

|                                 |  |
|---------------------------------|--|
| Hand protection                 | : Protective gloves made of PVC  |
| Eye protection                  | : Safety glasses   |
| Skin and body protection        | : Avoid prolonged and repeated contact with skin                       |
| Respiratory protection          | : Not applicable   |
| Environmental exposure controls | : Do not allow uncontrolled discharge of product into the environment. |

## SECTION 9: Physical and chemical properties

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

|  |   |
|--|---|
| Physical state                             | : Liquid                                      |
| Colour                                     | : white.                                      |
| Odour                                      | : characteristic.                             |
| Odour threshold                            | : No available data                           |
| pH   | : 3 - 4                                       |
| Relative evaporation rate (butylacetate=1) | : No available data                           |
| Melting point                              | : No available data                           |
| Freezing point                             | : 0 °C  |
| Boiling point                              | : ca 100 °C                                   |
| Flash point                                | : Not applicable                              |
| Auto-ignition temperature                  | : No available data                           |
| Decomposition temperature                  | : No available data                           |
| Flammability (solid, gas)                  | : No available data                           |
| Vapour pressure                            | : No available data                           |
| Relative vapour density at 20 °C           | : No available data                           |
| Relative density                           | : No available data                           |
| Density                                    | : 0,95 - 1,15 kg/l @23°C                      |
| Solubility                                 | : Dispersible.                                |
| Log Pow                                    | : No available data                           |
| Viscosity, kinematic                       | : No available data                           |
| Viscosity, dynamic                         | : 8000 - 13000 mPa·s Brookfield RV 5/20 @23°C |
| Explosive properties                       | : None.                                       |
| Oxidising properties                       | : None.                                       |
| Explosive limits                           | : No available data                           |
| Solid content (%)                          | : 47-51 % @105°C                              |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not applicable.

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### 10.2. Chemical stability

Stable under normal conditions. SECTION 7: Handling and storage.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Risk of contamination. To avoid oxidation agents and reductor agents.

### 10.5. Incompatible materials

Materials to avoid. Strong acids. Materials that react violently or explosively with water.

### 10.6. Hazardous decomposition products

On burning: release of (highly) toxic gases/vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

| <b>butyldiglycolacetaat (124-17-4)</b> |             |
|--|-------------|
| LD50 oral rat                          | 11920 mg/kg |
| LD50 dermal rabbit                     | 5400 mg/kg  |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: 3 - 4

Serious eye damage/irritation : Causes serious eye irritation. (Based on available data, the classification criteria are not met)  
pH: 3 - 4

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Potential adverse human health effects and symptoms : None known.

Other information : No additional information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

### **A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1) (55965-84-9)**

|                        |             |
|------------------------|-------------|
| LC50 fish 1            | 0,22 mg/l   |
| EC50 Daphnia 1         | 0,1 mg/l    |
| ErC50 (algae)          | 0,048 mg/l  |
| NOEC chronic fish      | 0,098 mg/l  |
| NOEC chronic crustacea | 0,004 mg/l  |
| NOEC chronic algae     | 0,0012 mg/l |

| <b>Bronopol (52-51-7)</b> |           |
|---------------------------|-----------|
| LC50 fish 1               | 35,7 mg/l |
| EC50 Daphnia 1            | 1,4 mg/l  |
| ErC50 (algae)             | 0,25 mg/l |
| NOEC chronic fish         | 21,5 mg/l |
| NOEC chronic crustacea    | 0,27 mg/l |
| NOEC chronic algae        | 0,08 mg/l |

| <b>butyldiglycolacetaat (124-17-4)</b> |                 |
|--|-----------------|
| LC50 fish 1                            | > 10 - 100 mg/l |

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| <b>butyldiglycolacetaat (124-17-4)</b> |            |
|--|------------|
| EC50 Daphnia 1                         | > 100 mg/l |
| ErC50 (algae)                          | 1570 mg/l  |

### 12.2. Persistence and degradability

| <b>HydraCure D3</b>           |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |

| <b>butyldiglycolacetaat (124-17-4)</b> |        |
|--|--------|
| Biodegradation                         | > 90 % |

### 12.3. Bioaccumulative potential

| <b>HydraCure D3</b>       |                              |
|---------------------------|------------------------------|
| Bioaccumulative potential | There is no bioaccumulation. |

| <b>A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1) (55965-84-9)</b> |              |
|--|--------------|
| Bioconcentration factor (BCF REACH)  | 3,6          |
| Log Kow  | -0,71 - 0,75 |

| <b>Bronopol (52-51-7)</b>           |      |
|-------------------------------------|------|
| Bioconcentration factor (BCF REACH) | 3,16 |
| Log Kow                             | 0,22 |

### 12.4. Mobility in soil

| <b>HydraCure D3</b> |             |
|---------------------|-------------|
| Ecology - soil      | None known. |

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other adverse effects : Unknown.  
Additional information : None known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Refer to manufacturer's information.  
Sewage disposal recommendations : Avoid release to the environment. Refer to special instructions/safety data sheets.  
Product/Packaging disposal recommendations : Do not discharge the product into the environment.  
Additional information : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Refer to manufacturer/supplier for information on recovery/recycling.

## SECTION 14: Transport information

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

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : 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) : Not applicable

#### ADN

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

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### RID

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

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : 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 : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

No available data

#### - Transport by sea

No available data

#### - Inland waterway transport

No available data

#### - Rail transport

No available data

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## 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

#### 15.1.2. National regulations

Water hazard class (WGK) : 1 - Slightly hazardous to water

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes:

|     |  |          |  |
|-----|--|----------|--|
| 1.1 | Product name   | Modified |  |
| 2.2 | Labelling according to Regulation (EC) No. 1272/2008 [CLP] | Modified |  |

Data sources : No available data.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information : None.

Full text of H- and EUH-statements:

|                           |                                     |
|---------------------------|-------------------------------------|
| Acute Tox. 2 (Dermal)     | Acute toxicity (dermal), Category 2 |
| Acute Tox. 2 (Inhalation) | Acute toxicity (inhal.), Category 2 |
| Acute Tox. 3 (Oral)       | Acute toxicity (oral), Category 3   |

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|                       |  |
|-----------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4  |
| Acute Tox. 4 (Oral)   | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1       | Hazardous to the aquatic environment — Acute Hazard, Category 1  |
| Aquatic Chronic 1     | Hazardous to the aquatic environment — Chronic Hazard, Category 1  |
| Aquatic Chronic 2     | Hazardous to the aquatic environment — Chronic Hazard, Category 2  |
| Eye Dam. 1            | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2          | Serious eye damage/eye irritation, Category 2  |
| Met. Corr. 1          | Corrosive to metals, Category 1  |
| Skin Corr. 1B         | Skin corrosion/irritation, Category 1B   |
| Skin Irrit. 2         | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1A         | Skin sensitisation, category 1A  |
| STOT SE 3             | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation   |
| H290                  | May be corrosive to metals.  |
| H301                  | Toxic if swallowed.  |
| H302                  | Harmful if swallowed.  |
| H310                  | Fatal in contact with skin.  |
| H312                  | Harmful 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.   |
| H330                  | Fatal if inhaled.  |
| H335                  | May cause respiratory irritation.  |
| H400                  | Very toxic to aquatic life.  |
| H410                  | Very toxic to aquatic life with long lasting effects.  |
| H411                  | Toxic to aquatic life with long lasting effects.   |
| EUH208                | Contains A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1). May produce an allergic reaction. |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|              |      |                    |
|--------------|------|--------------------|
| Eye Irrit. 2 | H319 | Calculation method |
|--------------|------|--------------------|

SDS EU (REACH Annex II) ADCO

*All recommendations for the use of our products, whether given by us, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations the user is responsible that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely responsible for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights*