

# Safety data sheet

## according to regulation (EC) Nr. 1907/2006

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Product Name	GP2 D2 PVA		EU/EN
MSDS number	85027	Revision Date	Sep.14.2018***
Revision Number	4***.01***	Issuing date	Sep.14.2018***

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

### 1.1. Product identifier

Product Name

**GP2 D2 PVA**

REACH Registration Number

This product is a mixture and therefore not directly subject of the registration requirements under REACH.

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

Identified uses

Industrial use

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

Adhesives Online, Division of The Corzak Group Ltd., The Oakley, Kidderminster Road, Droitwich, Worcestershire, WR9 9AY. Tel: 0330 094 8448 E: [enquiries@adhesivesonline.co.uk](mailto:enquiries@adhesivesonline.co.uk)

### 1.4. Emergency telephone number

0330 094 8448 Office hours; Mon to Thurs 09.00 to 17.00, Fri 09.00 to 16.30

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

#### **Classification according to Regulation 1272/2008/EC (CLP)**

Not a hazardous substance or preparation according to Regulation 1272/2008 (CLP)

### 2.2. Label elements

**EC Hazards** EUH210 - Safety data sheet available on request

EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one; Mixture of: 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1)\*\*\*. May produce an allergic reaction.

**2.3 Other Hazards** The mixture does not meet the criteria for PBT / vPvB according to REACH, Annex XIII

**Statements of hazard** Frequent contact can lead to skin and eye irritation, especially if product is allowed to dry out

Observe the usual precautions when handling chemicals.

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### SECTION 3: Composition/information on ingredients

**Chemical characterization** Water-borne polyvinyl acetate dispersion. Contains film- forming helping agents

3.1. Substances not applicable

3.2. Mixtures see Chemical characterization

Components	CAS-No	EC-No.	Identification Number	Percent %
1,2-Benzisothiazol-3(2H)one	2634-33-5	220-120-9	613-088-00-6	< 0.0190
Mixture of: 5-Chloro-2methyl-4-isothiazolin-3-one [EC No. 247-500-7] and 2-Methyl-2H -isothiazol-3-one [EC No. 220-239-6] (3:1)	55965-84-9	247-500-7 + 220239-6	613-167-00-5	< 0.0014
2-(2-Butoxyethoxy) ethyl acetate	124-17-4	204-685-9	none	2
Components	1272/2008/EC (CLP)			Hazard Statements
1,2-Benzisothiazol-3(2H)-one	Acute oral toxicity - Category 4 Skin corrosion / irritation - Category 2 Serious eye damage / eye irritation - Category 1 Skin sensitization - Category 1 Acute aquatic toxicity - Category 1 Chronic aquatic toxicity - Category 2 Acute inhalation toxicity - Category 2			H302 H315 H318 H317 H400 H411 H330
Mixture of: 5-Chloro-2-methyl-4isothiazolin-3-one [EC No. 247500-7] and 2-Methyl-2H -isothiazol-3-one [EC No. 220-239-6] (3:1)	Acute oral toxicity - Category 3 Acute inhalation toxicity - Category 2 Acute dermal toxicity - Category 2 Skin corrosion / irritation - Category 1B Serious eye damage / eye irritation - Category 1 Acute aquatic toxicity - Category 1 Chronic aquatic toxicity - Category 1 Skin sensitization - Category 1A			H301 H330 H310 H314 H318 H400 H410 H317
2-(2-Butoxyethoxy) ethyl acetate	Not a dangerous substance according to GHS			--

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General Information** Remove contaminated, soaked clothing immediately and dispose of safely.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Skin** Wash off with soap and water. If symptoms persist, call a physician.

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<b>Eyes</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label. If conscious, drink plenty of water. Do not induce vomiting without medical advice.

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

**Main symptoms** None known.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Foam, Dry powder, Carbon dioxide (CO<sub>2</sub>), Water spray\*\*\*

#### **Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

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

Under conditions giving incomplete combustion, hazardous gases produced may consist of  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Combustion gases of organic materials must in principle be graded as inhalation poisons

### 5.3. Advice for firefighters

#### **Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

#### **Environmental precautions**

Dike and collect water used to fight fire..

#### **Other Information**

This is a water-based product and presents no particular fire or explosion hazard.

## **SECTION 6: Accidental release measures**

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

Contaminated surfaces will be extremely slippery. Avoid contact with the skin and the eyes.

### 6.2. Environmental precautions

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Contaminated equipment (brushes, rags) must be cleaned immediately with water. Dispose of in accordance with local regulations.

### 6.4. Reference to other sections

Consult trained personnel. Consider the information for "Personal Protection" in chapter 8 of this Safety Data Sheet.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### Hygiene measures

Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately Wash contaminated clothing before re-use

#### Advice on safe handling

Product may contain hazardous volatile ingredients which could accumulate in the unvented headspace of drums or containers. Open containers in ventilated area. Do not breathe vapour. During longer storage small amounts of carbon monoxide may form. To the best of our knowledge, no OEL (occupational exposure limit) is exceeded during the intended use. Containers/tanks may only be entered after thoroughly executed ventilation while considering national regulations and international standards for inspection of containers/tanks. In any case of doubt a measurement of the CO concentration is necessary.

#### Incompatible products

Materials that react with water

#### Protection - fire and explosion:

No special protective measures against fire required.

#### Reduce the release of the substance or mixture to the environment

See Section 8: Environmental exposure controls

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

#### Material storage

Protect from frost. To maintain product quality, do not store in heat or direct sunlight.. Keep at temperatures between 5°C and 35°C (40°F and 95°F). Agitate before use. Keep tightly closed in a dry and cool place\*\*\*

#### Incompatible products

Materials that react with water

#### Technical measures/Storage conditions

Keep tightly closed in a dry and cool place. No special technical protective measures required.

#### German storage class

12: Non-combustible liquids

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### 7.3. Specific end use(s)

None known

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### **EC Exposure Limit Values**

No exposure limits established.

**DNELs** The product is exempt from REACH registration

**PNECs** \_\_\_\_\_ The product is exempt from REACH registration

### 8.2. Exposure controls

**Engineering measures** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### **Personal protective equipment**

**General advice** Avoid contact with skin and eyes.

**Hygiene measures** Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately Wash contaminated clothing before re-use

**Eye protection** Safety glasses.\*\*\*

**Hand protection** Chemicals resistant gloves

**Suitable material** rubber gloves

**Type** Nitril (Company KCL) or comparable article; or refer to glove manufacturer's recommendation

**Evaluation** according to EN 374: level 6

**Material thickness** Approx. 0.1 / 0.4 mm\*\*\*

**Break through time** > 480 min

#### **Environmental exposure controls**

Do not discharge into the drains/surface waters/groundwater

#### **Environmental Precautions**

Should not be released into the environment

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## **SECTION 9: Physical and chemical properties**

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

#### **Appearance**

Form liquid  
Colour white  
Odour weak \*\*\*

Melting point/range ~ 0°C  
Boiling point/range ~ 100°C  
Density 0.95 - 1.1 g/ml @ 25°C  
Method ISO 2811-3  
pH 5.5 - 7.5  
Method ISO 976  
Viscosity 9000 - 21000 mPa\*s @ 23°C  
Method Brookfield Visc. RVT Sp. 6 / 20 r.p.m.  
Vapor pressure 24 hPa @ 20°C  
Water solubility miscible

9.2. Other information The product was not tested for properties not listed on the SDS.

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical Stability

No decomposition if stored and applied as directed.

### 10.3. Possibility of hazardous reactions

No hazards to be especially mentioned.

### 10.4. Conditions to avoid

Do not freeze.

### 10.5. Incompatible Materials

Materials that react with water

### 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed

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### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

##### Acute Toxicity:

**LD50/oral/rat** > 5000 mg/kg  
**Method:** EC 440/2008, B.1 (corresponding to OECD 401)

##### Skin Irritation:

non-irritant  
**Method:** EC 440/2008, B.4 (corresponding to OECD 404)  
**Species:** rabbit

##### Eye irritation:

non-irritant  
**Method:** EC 440/2008, B.5 (corresponding to OECD 405)  
**Species:** rabbit eye

The toxicological data given are determined by analogy.

### **SECTION 12: Ecological information**

**Biodegradation:** > 80 %  
**Method:** Zahn-Wellens-Test OECD 302 B

**Toxicity to bacteria** EC0: 1000 mg/l  
**Method:** OECD 209

**Chemical Oxygen Demand (COD)** 750 mg/g  
**Method:** calculated

**Acute fish toxicity** LC50: > 500 mg/l  
**Durations: (hours)** 96 h  
**Method:** OECD 203  
**Species:** zebra fish

Ecological data are determined by analogy.

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### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

<b>Product information</b>	Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal. Diluted solution may be introduced into a biological purification plant, with permission of the responsible authorities.
<b>Uncleaned empty packaging</b>	Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Regulations concerning reuse or disposal of used packaging materials must be observed.
<b>European Waste Catalogue</b>	Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

### **SECTION 14: Transport information**

ADR/RID Not regulated

ADN Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

### **SECTION 15: Regulatory information**

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

##### Water Hazard Class (WGK):

<b>WGK Class</b>	1
<b>WGK Reg. No.</b>	662
<b>WGK Source</b>	Classification according to AwSV***

#### 15.2 Chemical Safety Assessment

Chemical Safety Assessment (CSA) is not required

### **SECTION 16: Other information**

#### For further information, see:

For more information, consult the Technical Data Sheet.

#### Other Information:

- Traces of residual monomers can be found in the product:
- Vinyl acetate

Changes against the previous version are marked by \*\*\*



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### Training advice

Make sure that employees are aware of the hazards/risks as detailed on this Safety Data Sheet.

### Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Adhesives Online's own data and public sources deemed valid or acceptable. The absence of data elements required by ANSI or 1907/2006/EC indicates that no data meeting these requirements is available.

### Further information

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality.

### Abbreviation and Acronym:

ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS = Chemical Abstracts Service (division of the American Chemical Society)

CLP = Classification, Labelling and Packaging

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)

ICAO = International Civil Aviation Organization

IMDG = International Maritime Code for Dangerous Goods

LC50 = Lethal Concentration

LD50 = Lethal Dose

PNEC = Predicted No Effect Concentration

RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)\*\*\*

## Annex: Exposure Scenario(s)

Development of Exposure Scenario is not required