Revision Date: 20/10/2022 According to Regulation (EC) 1907/2006

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

### 1.1. Product identifier

**Product name** Timbond D4 Water-proof PVA Adhesive

**Product code** AD022001 (1kg), AD022005 (5kg), AD022025 (25kg)

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

**Identified uses** Production of adhesives and sealants
Uses of adhesives and sealants by industrial and professional users and by consumers.

**Uses advised against** None.

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

**Supplier**

Adkwik Ltd
Unit F Dales Manor Business Park
Grove Road
Sawston
Cambridge
CB22 3TJ
T: +44 (0) 01223 412373
E: technical@adkwik.co.uk

### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 01223 412373 (NOT 24HRS)
Working Hours: Weekdays: 8am- 4.30pm (GMT)

## SECTION 2: Hazards identification

### 2.1. Classification of the mixture

### 2.1.1. Classification in accordance with Regulation (EC) No 1272/2008

This product is not classified as dangerous.

### 2.2. Label elements

The label on the packaging with the product shall bear the following statements:
EUH 208: Contains 5-Chloro-2-methyl-4-isothiazolin-3-one mixed with 2-Methyl-4-isothiazolin-3-one (3:1). May produce an allergic reaction
Contains the following biocidal active substances:
– 2-bromo-2-nitropropano-1,3-diol
– 5-Chloro-2-methyl-4-isothiazolin-3-one mixed with 2-Methyl-4-isothiazolin-3-one (3:1)
In accordance with EU and national laws any other label elements are not required.

### 2.3. Other hazards

The product contains no substances that meet the criteria for PBT or vPvB in accordance with Annex XIII.
The product contains no substances with endocrine disrupting properties

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

Not applicable

### 3.2. Mixtures

This product is a mixture.
Information on components in accordance with requirements of Annex II to REACH Regulation: – Propylene carbonate (CAS No.: 108-32-7, EC No.: 203-572-1, Index No.: 607-194-00-1, REACH Registration No.: 01-2119537232-48-xxxx, concentration: >=1-<3 %, classification in accordance with Regulation EC (No.) 1272/2008: Eye Irrit. 2; H319).)

– 5-Chloro-2-methyl-4-isothiazolin-3-one mixed with 2-Methyl-4-isothiazolin-3-one (3:1) (CAS No.: 55965-84-9, EC No.: n/a, Index No.: 613-167-00-5, REACH Registration No.: N/A, concentration: <0,0015%, classification in accordance with Regulation EC (No.) 1272/2008: Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317 .

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

| | |
|---|---|
| **Inhalation** | In normal conditions of use and storage the product creates no danger via inhalation exposure. In case person exposed to product feels unwell it should be removed from the place of exposure to fresh air. Provide calm. In case symptoms persist consult a physician. |
| **Skin contact** | Remove all contaminated clothing and shoes. Wash contaminated skin with plenty of water and soap. Consult a physician in case of skin irritation. |
| **Eye contact** | Thoroughly rinse eyes with plenty of water for at least 15 minutes while lifting the eyelids. Check for and remove (if any and if possible) contact lenses (unless they adhered to eyes). Consult a physician in case an irritation has developed. |
| **Ingestion/swallow** | Consult a physician. |

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

Upon direct contact with the product susceptible persons may suffer from skin/eye irritations.

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

None

## SECTION 5: Firefighting measures

| | |
|---|---|
| **5.1. Extinguishing media Suitable extinguishing media** | Extinguishing powders, carbon dioxide, foam, water spray. |
| **5.1.2. Unsuitable extinguishing media** | None are known. |

### 5.2. Special hazards arising from the mixture

The product is a non-combustible material.

### 5.3. Advice for firefighters

Tanks exposed to fire should be cooled with cold water from a safe distance.
Fire site residues and fire-fighting water should be neutralised according to all regulations in force.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Avoid contact with the product. Follow advice and instructions of emergency responders.

#### 6.1.2. For emergency responders

Avoid contact with the product. Wear work clothing and personal protective equipment.

### 6.2. Environmental precautions

Cover drains, grates and manholes in order to prevent the product from entering the sewage or effluent systems.

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

#### 6.3.1. Methods and material for containment

If possible attempt to stop the leak and shut off the inflow. Embank the releasing liquid in case of large leaks.

#### 6.3.2. Methods and material for cleaning up

Small amounts of the product cover with sand or other absorbing material, collect to a labelled container and dispose of in accordance with regulations in force. Large amounts of released liquid pump over to a labelled container and use or dispose of in accordance with regulations in force.

### 6.4. Reference to other sections

Not applicable.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Observe basic regulations on occupational health, safety and hygiene as well as operating instructions at the workplace.
Do not eat and drink when handling the product.
Wear proper working clothing. If necessary, use personal protection equipment.
Avoid direct contact with the product.
Avoid contact with eyes.
Ensure proper ventilation of the workplace.

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

Store in original tightly sealed containers at temperature 5 ÷ 35°C in well ventilated rooms – outside this temperature range the dispersion may coagulate.
For conditions to avoid and incompatible materials see Section 10 of this Safety Data Sheet.

### 7.3. Specific end use(s)

Not applicable.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

### 8.1.1. Occupational exposure limits

None have been established

| | |
|---|---|
| **DN(M)EL levels**<br>**DN(M)EL levels – workers** | Data not available. |
| **DN(M)EL levels – general population** | Data not available. |
| **PNEC levels** | Data not available. |

### 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Provide ventilation of the workplace.

### 8.2.2. Individual protection measures, such as personal protective equipment Eye/face protection

| | |
|---|---|
| **Eye/face protection** | If exposure of employees to sprayed or splashed particles of the product cannot be avoided use safety glasses or a face shield. |
| **Skin protection** | Hand protection<br>Not required.<br>Other<br>Wear work clothing and shoes. |
| **Respiratory protection** | In case of insufficient ventilation wear mask with organic vapours filter. |
| **Thermal hazards** | The product creates no thermal hazards. |

### 8.2.3. Environmental exposure controls

Avoid release to the environment. Do not discharge into drains.
Emissions from vents and processing equipment have to be controlled in order to determine whether they are in compliance with in force regulations on environmental protection. Basing on results of such controls the need for implementation of relevant environmental risk management measures can be determined.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **a) Physical state** | liquid (water based dispersion) |
| **b) Colour** | white |
| **c) Odour** | characteristic |
| **d) Melting point/freezing point** | ca. 0°C |
| **e) Boiling point or initial boiling point and boiling rang** | ok. 100°C |
| **f) Flammability** | non-combustible material |
| **g) Lower and upper explosion limit** | the parameter for the product does not exist |
| **h) Flash point** | the parameter for the product does not exist |
| **i) Auto-ignition temperature** | not applicable |

| | |
|---|---|
| **j) Decomposition temperature** | ok.150°C |
| **k) pH** | ca. 3 |
| **l) Kinematic viscosity** | 5 500 ± 1 500 [mPas] |
| **m) Solubility** | water-thinnable |
| **n) Partition coefficient n-octanol/water (log value)** | the parameter for the product does not exist |
| **o) Vapour pressure** | not applicable |
| **p) Density and/or relative density** | ok. 1 g/cm3 |
| **q) Relative vapour density** | the parameter for the product does not exist |
| **r) Particle characteristics** | not applicable |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

See Section 10.3 of this Safety Data Sheet.

### 10.2. Chemical stability

The product is stable under given herein conditions of use and storage. Use of stabilizers and/or antioxidants is not required.

### 10.3. Possibility of hazardous reactions

None. Also see Section 10.5 of this Safety Data Sheet.

### 10.4. Conditions to avoid

At temperatures below 5°C irreversible coagulation of the product occurs. At ca. 100°C water contained in the product evaporates at noticeable rate.

### 10.5. Incompatible materials

Avoid materials which exhibit hazardous reactions upon contact with water.

### 10.6. Hazardous decomposition products

Acetic acid which is being slowly released from the product may be corrosive to metals. Thermal decomposition of polymer contained in the product starts at ca. 200°C and is accompanied by formation and subsequent release of vinyl acetate and aromatic hydrocarbons.

## SECTION 11: Toxicological information

No data on toxicological properties of the product as such is available. Hazards which the product creates to the human health and life have been assessed in accordance with rules applicable for mixtures (see also Section 2 of this Safety Data Sheet).

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|---|---|
| **Acute toxicity** | Based on available data, the classification criteria are not met. |
| **Skin corrosion/irritation** | 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 or skin sensitisation** | Based on available data, the classification criteria are not met. |
| **Germ cell mutagenicity** | 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. |
| **Information on likely routes of exposure** | Dermal, inhalation. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | This product is not classified as dangerous. |
| **Delayed and immediate effects as well as chronic effects from short and long-term exposure** | This product is not classified as dangerous. Upon direct contact with the product susceptible persons may suffer from skin/eye irritations. |

### 11.2 Information on other hazards

### 11.2.1. Endocrine disrupting properties

The product contains no substances with endocrine disrupting properties

## SECTION 12: Ecological information

No data on ecotoxicological properties of the product as such is available. Hazards which the product creates to the environment have been assessed in accordance with rules applicable for mixtures (see also Section 2 of this Safety Data Sheet).

| | |
|---|---|
| **12.1. Toxicity** | The product is not classified as dangerous to the environment. |
| **12.2. Persistence and degradability** | The main component of the product (polymer) does not undergo biodegradation, oxidation or hydrolysis at noticeable rate. |
| **12.3. Bioaccumulative potential** | Based on chemical structure it is expected that the main component of the product (polymer) will not undergo bioaccumulation. |
| **12.4. Mobility in soil** | Data not available |
| **12.5. Results of PBT and vPvB assessment** | The product contains no substances which have been identified as PBT/vPvB. |
| **12.6. Endocrine disrupting properties** | The product contains no substances with endocrine disrupting properties |
| **12.7. Other adverse effects** | Data not available. |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Primary, product wastes should be recovered. Wastes, which could not be recovered should be biologically, chemically or physically transformed or stored on landfill.
Landfilling should be performed only for those wastes, destruction of which is technically impossible or ecologically or economically unjustified.
Recovery or destruction of product wastes has to be performed in accordance with regulations in force, in special assigned facility and/or equipment meeting the appropriate requirements.
Waste code: the product itself: 07 02 13 or 07 02 99.
Returnable packaging may be reused after decontamination.
Disposable packaging has to be disposed of according to existing national, international and/or local disposal regulations.
Example waste code: used containers, rigorously scraped out and containing dried residues of the supplied product:
15 01 02 plastic packaging.
15 01 04 metal packaging.
“Rigorously scraped out” means removing the maximum amount of product from the container by physical or mechanical means (draining or scraping) to leave a residue or contamination that cannot be removed by such means.
These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable.

## SECTION 14: Transport information

Transport and packaging of the product are not subject to regulations on transport of hazardous goods (ADR, RID, IATA DGR, IMDG).
Transport the product using covered means of transport.

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Not applicable.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

## SECTION 15: Regulatory information

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

• REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (including any amendments/adaptations to technical progress).

• 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 1999/45/EC, and amending Regulation (EC) No 1907/2006 (including any amendments/adaptations to technical progress).

• DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives (including any amendments/adaptations to technical progress).

• WGK class 1 - Ordinance on facilities for handling substances that are hazardous to water AwSV

### 15.2. Chemical safety assessment

The supplier has not carried out chemical safety assessment for the mixture. In accordance with provisions of REACH regulation carrying out of chemical safety assessment for this product is not required.

## SECTION 16: Other information

| | |
|---|---|
| **Issued by** | Compliance |
| **Revision date** | 20/10/2022 |

**List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements given under Sections 2 to 15 and (if applicable) full text of any statements which are not written out in full under the aforementioned Sections**

Acute Tox. 3, H301; Toxic if swallowed.
Acute Tox. 2, H310; Fatal in contact with skin.
Acute Tox. 2, H330; Fatal if inhaled
Skin Corr. 1C, H314; Causes severe skin burns and eye damage
Eye Dam. 1, H318; Causes serious eye damage
Aquatic Acute 1, H400 (M=100); Very toxic to aquatic life.
Aquatic Chronic 1, H410 (M=100); Very toxic to aquatic life with long lasting effects.
Skin Sens. 1A, H317 May cause an allergic skin reaction

| | |
|---|---|
| **vPvB** | Very persistent and very bioaccumulative (substance) |
| **PBT** | Persistent, bioaccumulative and toxic (substance) |
| **DN(M)EL** | Derived No (Minimal) Effect Levels |
| **NOAEL** | No Observed Adverse Effect Level |
| **LD50** | Lethal Dose 50%, dose required to kill half the members of a tested population after a specified test duration |
| **EC50** | Half maximal effective concentration, concentration which induces a response halfway between the baseline and maximum after some specified exposure time |
| **NOEC** | No Observed Effect Concentration |
| **RID** | The International Rule for Transport of Dangerous Substances by Railway |
| **ADR** | The European Agreement concerning the International Carriage of Dangerous Goods by Road |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.