

Safety data sheet according to regulation (EC) Nr. 1907/2006

Product Name WP4 Waterproof PVA glue
MSDS number 85267
Revision Number 6***.02***

Revision Date Apr.27.2018***
Issuing Date Apr.27.2018***

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

1.1. Product identifier

Product Name
WP4 waterproof PVA glue

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

SDS Contact (email of responsible person)
enquiries@adhesivesonline.co.uk

1.4. Emergency telephone number
+44 (0) 330 094 8448. Office hours: Mon - Thurs.
9am- 5pm, Fri. 9am – 4.30pm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Classification

Hazards
Serious eye damage/eye irritation

Category
Category 2

2.2. Label elements

Symbol(s)



Signal Word

Warning***

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Hazard Statements H319 - Causes serious eye irritation

EC Hazards EUH208 - Contains 2-Octyl-2H-isothiazol-3-one; Glyoxal. May produce an allergic reaction.

Precautionary Statements P280 - Wear protective gloves/ 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

Hazardous ingredients which must be listed on the label

Contains: Aluminium chloride, , , Sodium meta bisulfite***

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

Statements of hazard May cause irritation of respiratory tract
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 polymer emulsion. Basis: Vinyl acetate
Contains film-forming helping agents***

3.1. Substances not applicable

3.2. Mixtures Details provided in the tables below

Components	CAS-No	EC-No.	Identification Number	Percent %
2-Octyl-2H-isothiazol-3-one	26530-20-1	247-761-7	613-112-00-5	0.0124
2-(2-Butoxyethoxy) ethyl acetate	124-17-4	204-685-9***	none***	< 2
Sodium metabisulphite	7681-57-4	231-673-0***	016-063-00-2	< 1.1
Sulfur dioxide	7446-09-5	231-195-2	016-011-00-9	0.01 - 0.40
Glyoxal	107-22-2	203-474-9***	605-016-00-7	< 0.2
Aluminum chloride, basic	1327-41-9	215-477-2		< 1.5

Components	1272/2008/EC (CLP)	Hazard Statements
2-Octyl-2H-isothiazol-3-one	Acute dermal toxicity - Category 3 Acute inhalation toxicity - Category 3 Skin corrosion / irritation - Category 1B Acute aquatic toxicity - Category 1 Chronic aquatic toxicity - Category 1 Acute oral toxicity - Category 4 Skin sensitization - Category 1A	H311 H331 H314 H400 H410 H302 H317
2-(2-Butoxyethoxy) ethyl acetate	Not a dangerous substance according to GHS	--
Sodium metabisulphite	Acute oral toxicity - Category 4 Serious eye damage / eye irritation - Category 1 Contact with acids liberates toxic gas	H302 H318 EUH031
Sulfur dioxide	Acute inhalation toxicity - Category 3 Skin corrosion / irritation - Category 1B	H331 H314
Glyoxal	Germ cell mutagenicity - Category 2 Acute oral toxicity - Category 4 Serious eye damage / eye irritation - Category 2 Skin corrosion / irritation - Category 2 Skin sensitization - Category 1 STOT SE - Category 3	H341 H332 H319 H315 H317 H335
Aluminum chloride, basic	Corrosive to Metals - Category 1 Serious eye damage / eye irritation - Category 1	H290 H318

Remarks For the full text of the H-statements mentioned in this Section, see Section 16

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.

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Skin	Wash off with soap and water. If symptoms persist, call a physician.
Eyes	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Ingestion	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 (CO₂), 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 (CO₂)
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.

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

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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. Handle product only in closed system or provide appropriate exhaust ventilation at machinery***

Incompatible products

strong acids, 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

strong acids, 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

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

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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***

Respiratory protection Do not breathe vapours/dust. In case of insufficient ventilation wear suitable respiratory equipment.

Eye protection safety glasses

Hand protection Chemicals resistant gloves

Suitable material Type nitrile rubber
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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Form liquid
Color white
Odor pungent

pH 2.8 - 3.2
Method ISO 976

Viscosity 3000 - 9000 mPa*s @ 25°C
Method Brookfield Visc. RVT Sp. 4 / 20 r.p.m.

Vapour pressure 24 hPa @ 20°C
Water solubility miscible

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

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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended storage conditions.***

10.2. Chemical Stability

If heated to thermal decomposition the following decomposition products may occur depending on the conditions: sulfur dioxide.

10.3. Possibility of hazardous reactions

May occur if the product is mixed with acidic materials.

10.4. Conditions to avoid

Do not freeze.

10.5. Incompatible Materials

Materials that react with water

10.6. Hazardous decomposition products

Sulfur compounds

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity:

LD50/oral/rat	> 4000 mg/kg
Method:	calculated

Toxicological data were derived from the main component.

SECTION 12: Ecological information

According to experience, the material has no harmful effect on the environment. Ecotoxicological data are not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product information	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.
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Uncleaned empty packaging	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.
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European Waste Catalogue 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):

WGK Class 1

WGK Source Classification based on addendum 4 (VwVwS)

15.2 Chemical Safety Assessment

Chemical Safety Assessment (CSA) is not required

SECTION 16: Other information

Hazard statements

H311 - Toxic in contact with skin

H331 - Toxic if inhaled

H314 - Causes severe skin burns and eye damage H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H341 - Suspected of causing genetic defects

H332 - Harmful if inhaled

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H335 - May cause respiratory irritation

For further information, see:

For more information, consult the Technical Data Sheet, or call our sales office on 0330 094 8448.

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 generated 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

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

R-Phrases = Risk Phrases

S-Phrases = Safety Phrases

Annex: Exposure Scenario(s)

Exposure Scenarios have not been developed