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

1.1 Product Identifier

Trade name:	ANCHORBOND D4 PVA
Product Code:	D4
Synonyms; trade names	Water based Polyvinyl Acetate emulsion

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

Use of the substance/ mixture:	For industrial use only
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1.3 Details of the supplier of the safety data sheet

Company:	Redwood UK Ltd
Address:	18 Arnside Road Waterlooville PO7 7UP
Email:	sales@redwood-uk.com

1.4 Emergency telephone number

02392 233310 (0800-1600 Mon-Fri)

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Physical hazards:	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2 Label Elements

Hazard statements	NC Not Classified
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2.3 Other Hazards

None known

Section 3: Composition/information on ingredients

3.2 Mixtures

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Section 4: First Aid Measures

4.1 Description of first aid measures

General Advice:	In the event of any sensitization symptoms developing, ensure further exposure is avoided.
If Inhaled:	Unlikely route of exposure as the product does not contain volatile substances.
In case of eye contact:	Rinse immediately with plenty of water. Remove contact lenses if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

4.2 Most important symptoms and effects, both acute and delayed

Risks: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No specific recommendations. If in doubt, get medical attention promptly.

Section 5: Firefighting measures

5.1 Extinguishing media

Use fire-extinguishing media suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Oxides of carbon. Oxides of nitrogen.

5.3 Advice for firefighters

Protective actions: Wear positive-pressure self-contained breathing

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during firefighting

apparatus (SCBA) and appropriate protective clothing.

Further information:

No specific firefighting precautions known.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.
Warn everybody of potential hazards and evacuate if necessary.

6.2 Environmental precautions

Environmental precautions Avoid or minimize the creation of any environmental contamination. Avoid discharge into drains or watercourses or onto the ground.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Absorb spillage with non-combustible, absorbent material.

6.4 Reference to other sections

Reference to other sections For personal protection, see Section 8.
For waste disposal, see section 13.
See Section 11 for additional information on health hazards.

Section 7 : Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Wear protective clothing as described in Section 8 of this safety data sheet. Good personal hygiene procedures should be implemented. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.
Protect from freezing and direct sunlight.

7.3 Specific End Use(s)

Specific use(s) None known

Section 8: exposure controls/personal protection

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8.1 Control parameters

Ingredient comments No exposure limits known for ingredient(s).

8.2 Exposure Control

Personal protective equipment

Eye protection	Safety Glasses
Hand Protection	
Material	Nitrile rubber
Break through time	>480 min
Glove thickness	0.4mm
Directive	Equipment should conform to EN 374
Protective index	Class 6
Skin and body protection	Protective suit
Respiratory protection	No personal respiratory protective equipment normally required.

Section 9: Physical and chemical properties

Appearance	Viscous liquid.
Colour	White/off-white.
Odour	sweet
pH	pH (concentrated solution): 4-6
Melting point/range	ca. 0 °C
Boiling point/boiling range	100°C @ 760 mm Hg
Flash point	Not applicable.
Evaporation rate	Not applicable.
Evaporation factor	Not applicable.
Flammability (solid, gas)	No.
Upper/lower flammability or explosive limits	Not applicable.

Vapour pressure	18 mm Hg @ 25°C
Vapour density	0.6
Relative density	1.1 @ °C
Bulk density	1.1
Solubility(ies)	Miscible with water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not available.
Viscosity	100-150 poise
Explosive properties	More sensitive to shock than m-dinitrobenzene: No. More sensitive to friction than m- dinitrobenzene: No.

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Explosive under the influence of a flame No

Comments 48% to 50% solids

9.2 Other information

No data available

Section 10: Stability and reactivity

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical Stability

No particular stability concerns.

10.3 Possibility of hazardous reactions

No hazardous reactions when stored and handled according to prescribed instructions.
Will not polymerise.

10.4 Conditions to avoid

Conditions to avoid No data available

10.5 Incompatible materials

Strong acids.

10.6 Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects No data recorded.

Inhalation Not relevant.

Ingestion No specific symptoms known.

Skin contact No specific symptoms known.

Eye contact No specific symptoms known.

Section 12: Ecological information

12.1 Toxicity

Not considered toxic to fish.

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12.2 Persistence and degradability

The product is biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient Not applicable.

12.4 Mobility in soil

Mobile.

12.5 Results of PBT and vPvB assessment

Product

Assessment

This product does not contain any substances classified as PBT or vPvB.

12.6 Other Adverse effects

Product

Other adverse effects None known.

Section 13: Disposal considerations

13.1 Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Section 14: Transport information

14.1 UN Number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

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14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied

Section 15:Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EH40/2005 Workplace exposure limits.
Health and Safety at Work etc. Act 1974 (as amended).
Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.
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) (as amended).
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 (as amended).

Guidance

Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
Approved Classification and Labelling Guide (Sixth edition) L131.
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) (as amended).

15.2 Chemical safety assessment

Not applicable

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Section 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
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Revision	2
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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.