

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: ANCHORBOND D3 PVA

SUPPLIER: Redwood UK Ltd
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2 COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS: Aqueous polymer dispersion. Plasticiser, colloids, surfactants and other Stabilisers may also be present in small quantities.

| COMPONENT | CAS NUMBER | EINECS | %WT | RISK PHRASES |
|--------------------|------------|-----------|-------|--------------|
| Vinyl acetate | 108-05-4 | 203-545-4 | <0.1% | R11/Xn |
| Poly Vinyl Alcohol | 25213-24-5 | | <5% | R11 23/25 |
| BDGA | 204-685-9 | 124-17-4 | <5% | R36 |

All components of this product are listed in EINECS or ELINCS.

3 HAZARDS IDENTIFICATION

MAIN HAZARDS: This preparation does not carry a hazard classification according to EEC Directives 1999/45/EC and 67/548/EEC (2001/59/EC)

EYE: May cause soreness if in contact with the eyes.

SKIN CONTACT: Repeated or prolonged contact may cause defatting of the skin irritation and/or dryness.

ENVIRONMENT: Ingress to waterways may cause persistent milky discolouration. May be harmful to aquatic organisms.

4 FIRST AID MEASURES

INHALATION: Remove to fresh air. Consult doctor if the symptoms persist,

INGESTION: Give water to drink. Consult a doctor if the

SKIN: ingested amount exceeds 200ml.
Wash off with soap and water before product dries. Remove soiled clothing, launder before re-use.

EYE: Wash with copious amounts of warm water.
Consult a doctor if discomfort persists.

5 FIRE FIGHTING MEASURES

These preparations constitute a low fire hazard. The products are aqueous dispersion and hence are non-combustible.

EXTINGUISHING MEDIA: There are no restrictions to the use of extinguishing media.

EXPOSURE HAZARDS: If the temperature exceeds 100°C then spattering may occur.

PROTECTION OF FIRE-FIGHTER: Dried polymer films are capable of combustion but represent no hazard.

6 ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS: Prevent ingress into drains and watercourses where possible. If the spillage is within a confined space, care should be taken and respiration equipment is advised to avoid breathing large volumes of V.O.C.

ENVIRONMENTAL PRECAUTIONS: Remove large spillages by pumping into a suitable vessel. Absorb small spillages using sand, earth or similar absorbent materials for disposal according to local regulations, (see section 13), and then wash the remainder away with copious quantities of water.

7 HANDLING AND STORAGE

HANDLING REQUIREMENTS: These preparations contain small amounts of Volatile Organic Compounds (V.O.C's) which may accumulate in poorly ventilated areas such as within drums or storage/transport vessels. Breathing in these vapours should be avoided. Efficient ventilation should ensure that the vapours are controlled within the legal exposure limits, (see section 2 & 8). Avoid eye and skin contact by using impervious gloves and safety goggles.

STORAGE CONDITIONS:

To disperse volatile residues, vent bulk tanks to the outside. Storage for no more than nine months under ambient conditions is



recommended. To maintain the product in good condition store indoors between 5°C and 30°C. At temperatures between 5°C and 15°C significant products thickening may occur. The overall product quality will remain unaffected. To restore viscosity simply allow to warm up above 18°C. Below 5°C the product will freeze and may result in non-retrievable, unusable product.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS

| | |
|--------------------|---------------------|
| Vinyl acetate | 30mg/m ³ |
| Poly vinyl alcohol | 10mg/m ³ |

| | |
|-------------------------------------|--|
| EYE PROTECTION REQUIREMENTS: | Safety goggles or glasses, (BS2902). |
| GLOVE REQUIREMENTS: | Impervious gloves. |
| CLOTHING REQUIREMENTS: | Apron or overalls. |
| RESPIRATORY REQUIREMENTS: | Masks designed to take an A2 filter for organic vapours. |

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------|--|
| APPEARANCE: | Milky white liquid |
| ODOUR: | Mild vinyl acetate odour |
| pH AS IS: | 2 - 4 |
| BOILING POINT: | 100°C |
| FLASH POINT: | Not applicable |
| FREEZING POINT: | 0°C |
| FLAMMABILITY: | Not applicable |
| EXPLOSIVE PROPERTIES: | None |
| OXIDISING PROPERTIES: | None |
| VAPOUR PRESSURE (mmHg): | 18 (25°C) |
| RELATIVE DENSITY: | 1.10 |
| WATER SOLUBILITY: | Fully miscible |
| PARTITION COEFFICIENT: | Not applicable |
| VISCOSITY: | Brookfield 6/20 @ 25°C 100 – 200 poise |
| VAPOUR DENSITY: | Not determined |
| EVAPORATION RATE: | 1, as water |

VOC VALUES (when wet)

<25000 ppm (<2.5%) = 25gms/litre

10 STABILITY AND REACTIVITY

STABILITY:

These preparations are stable. Upon thermal decomposition oxides of carbon monomer fumes may be generated, (see section 8 for OEL and personal protection information). There are no specific conditions which, if encountered, would result in a dangerous reaction. There are no specific materials, which, if introduced, would result in a dangerous reaction. There is no likelihood of an exothermic reaction. The material is fully stable and miscible upon contact with water. There is no possibility of degradation to an unstable product.

11 TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENTS:

This preparation does not carry a hazard classification according to EEC directives 1999/45/EC and 67/548/EEC (2001/59/EC).

From long-term experience no serious, acute or chronic effects result from handling these preparations under standard industrial conditions. Repeated or prolonged skin contact may cause de-fatting and lead to slight skin irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY:

These preparations are not generally biodegradable.

AQUATIC TOXICITY:

The biological oxygen demand of some of the trace components may be harmful to aquatic organisms.

MOBILITY:

These preparations are fully miscible with water and can be transported considerable distances if allowed ingress into waterways,

PERSISTENCE AND DEGRADABILITY:

Low concentration of these preparations in water for sewage treatment are unlikely to reduce sludge activity. The preparations is largely absorbed onto the sludge, thus eliminating it from the waste system.

BIO ACCUMULATIVE POTENTIAL:

These preparations

are not regarded as being bio-available and hence also not bio-accumulative.

13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:

Protection Act, 1990.

operations; (see section 8).

These preparations are not classified as hazardous waste. The preparation can be coagulated and separated for landfill or incineration. Water, containing polymer emulsion, should be clarified before being discharged to sewers or open water. Ultra-filtration, coagulation, settling or flotation techniques are suitable. Disposal of these preparations as waste must always comply with existing EEC, national and local regulations, e.g., in the UK Control of Pollution Act, 1974 and Environmental

Wear protective clothing during disposal

Registered waste carriers and licensed disposal sites must be used. Ensure that sufficient information has been given and that waste containers are properly labelled.

14 TRANSPORT INFORMATION

These preparations are not classified as hazardous for transport according to international transport regulations; ADR/RID/IMDG/ICAO/IATA.

15 REGULATORY INFORMATION

This preparation does not carry a hazard classification according to EEC directives 1999/45/EC and 67/548/EEC (2001/59/EC).

All components of this product are listed in EINECS or ELINCS.

16 OTHER INFORMATION

INFORMATION CONTACT:

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R-PHRASES (Full Text):

R11 Highly flammable.
R36 Irritation to eyes.
R23/25 Toxic by inhalation and if
swallowed.

This information is provided for making safety assessments and is not a sales specification or an indication of suitability for particular uses. It was compiled for uses such as those shown on the specific product data sheets; for significant different uses it is advisable to consult in case other precautions are then necessary.

The information given herein is believed to be accurate on the basis of our own and independent tests, however we cannot accept liability for any damage, loss or patent infringements arising from its use.