



Material Safety Data Sheet

Anchorfix PSC Resin

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1 Product identifier

Product name Anchorfix PSC Resin

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

Identified uses Resin.

1.3. Details of the supplier of the safety data sheet

Supplier Anchorfix CC
20 Wynberg Road
Kew, Johannesburg
South Africa
Tel: +27 (0)11 887 8533
Fax: +27 (0)11 887 4256

Web www.anchorfix.co.za

Contact person info@anchorfix.co.za

1.4. Emergency telephone number

Emergency telephone +27 (0)11 887 8533 (office hours only 8am – 4pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Repr. 2 - H361d STOT RE 2 - H373

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word

Warning

Hazard statements

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs (Hearing) through prolonged or repeated exposure.

Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P314 Get medical advice/ attention if you feel unwell.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

STYRENE

Labelling notes

The product is not flammable.

On basis of test data.

UN Test N.1 and ASTM D4359-90

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

STYRENE (5-10%)

CAS number: 100-42-5

EC number: 202-851-5

Classification

Flam. Liq. 3 - H226

Acute Tox. 4 - H332

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Repr. 2 - H361d

STOT SE 3 - H335

STOT RE 1 - H372

Asp. Tox. 1 - H304

TITANIUM DIOXIDE (>0.5 <1.0%)

CAS number: 13463-67-7

EC number: 236-675-5

Classification

Carc. 2 - H351

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

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

Inhalation	May cause respiratory irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause irritation.
Eye contact	May irritate eyes.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid breathing vapours.

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. Keep away from oxidising materials, heat and flames.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

STYRENE	Long-term exposure limit (8-hour TWA): WEL 100 ppm 430 mg/m ³ Short-term exposure limit (15-minute): WEL 250 ppm 1080 mg/m ³
TITANIUM DIOXIDE	Long-term exposure limit (8-hour TWA): WEL 4 mg/m ³ respirable dust Long-term exposure limit (8-hour TWA): WEL 10 mg/m ³ inhalable dust

WEL = Workplace Exposure Limit.

STYRENE (CAS: 100-42-5)	DNEL	Industry - Inhalation; Long term systemic effects: 85 mg/m ³ Industry - Inhalation; Short term systemic effects: 289 mg/m ³ Industry - Inhalation; Short term local effects: 306 mg/m ³ Industry - Dermal; Long term systemic effects: 406 mg/kg/day REACH dossier information
	PNEC	- Fresh water; 0.028 mg/l - marine water; 0.0028 mg/l - Intermittent release; 0.04 mg/l - STP; 4 mg/l - Sediment (Freshwater); 0.614 mg/kg - Sediment (Marinewater); 0.0614 mg/kg - Soil; 0.2 mg/kg REACH dossier information
TITANIUM DIOXIDE (CAS: 13463-67-7)	DNEL	Industry - Inhalation; Long term systemic effects: 10 mg/m ³ REACH dossier information
	PNEC	- Fresh water; 0.127 mg/l - marine water; 1.0 mg/l - Intermittent release; 0.61 mg/l - STP; 100 mg/l - Sediment (Freshwater); 1000 mg/kg - Sediment (Marinewater); 100 mg/kg - Soil; 100 mg/kg REACH dossier information

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Eyeface protection

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection Other skin and body protection

It is recommended that chemical-resistant, impervious gloves are worn.
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly

remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.

**Environmental
exposure controls**

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid.
Colour	Beige.
Odour	Aromatic.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapour pressure	Not applicable.
Vapour density	Not determined.
Relative density	1.75 - 1.85 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water
Partition coefficient	Not determined.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	Not applicable.
Explosive properties	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react with the product: Organic peroxides/hydroperoxides.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Does not decompose when used and stored as recommended.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Organic peroxides/hydroperoxides.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity – Inhalation

ATE inhalation 124.89
(vapours mg/l)

Specific target organ toxicity - repeated exposure

Target organs	Causes damage to hearing organs through prolonged or repeated exposure via inhalation.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause irritation.
Eye contact	May cause eye irritation.
Acute and chronic health hazards	May cause skin irritation. May cause eye irritation. Gas or vapour is harmful on prolonged exposure or in high concentrations. May cause damage to organs (Hearing organs) through prolonged or repeated exposure if inhaled. May damage the unborn child.
Route of exposure	Inhalation Skin and/or eye contact.

Toxicological information on ingredients.

STYRENE	Acute toxicity - oral	Acute toxicity oral (LD ₅₀ mg/kg)	5,000.0
		Species	Rat
	Acute toxicity - dermal	Acute toxicity dermal (LD ₅₀ mg/kg)	2,000.0
		Species	Rat
	Acute toxicity - inhalation	ATE inhalation (vapours mg/l)	11.0
	Carcinogenicity	IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.
		NTP carcinogenicity	Reasonably anticipated to be a human carcinogen.
TITANIUM DIOXIDE	Acute toxicity – oral	Acute toxicity oral (LD ₅₀ mg/kg)	5,000.0
		Species	Rat
	Carcinogenicity	IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.

SECTION 12: Ecological information

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
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12.1. Toxicity

Ecological information on ingredients.

Acute toxicity – Fish	LC50, 96 hours: 10 mg/l, Pimephales promelas (Fat-head Minnow)
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STYRENE	Acute aquatic toxicity	Acute toxicity – Aquatic invertebrates	EC50, 48 hours: 4.7 mg/l, Daphnia magna
		Acute toxicity – Aquatic plants	EC50, 72 hours: 4.9 mg/l, Selenastrum capricornutum
TITANIUM DIOXIDE	Acute aquatic toxicity	Acute toxicity – Fish	LC0, >: 1000 mg/l, Leuciscus idus (Golden orfe)
		Acute toxicity – Aquatic invertebrates	REACH dossier information
		Acute toxicity – Microorganisms	NOEC, > 48 hours: 3 mg/l, Daphnia magna
			REACH dossier information

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	Not determined.

12.4. Mobility in soil

Mobility	Not applicable.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
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12.6. Other adverse effects

Other adverse effects	Not applicable.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Dispose of waste product or used containers in accordance with local regulations.
Disposal methods	Dispose of waste via a licensed waste disposal contractor.
Waste class	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods. (IMDG, IATA, ADR/RID).
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14.1. UN number

Not applicable.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally No.
hazardous
substance/marine
pollutant

14.6. Special precautions for user

Not applicable.

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

Transport in bulk Not applicable
according to Annex II
of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

EU legislation (EU) No 2015/830
Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	The product is not flammable. On basis of test data. UN Test N.1 and ASTM D4359-90.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	01/02/2023
Version number	1.000
Supersedes date	n/a
SDS number	-
Hazard statements in full	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H372 Causes damage to organs (Hearing) through prolonged or repeated exposure if inhaled. H373 May cause damage to organs (Hearing) through prolonged or repeated exposure.

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.