Material Safety Data Sheet
Anchorfix Spin-In Capsules

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 Spin In Capsules

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

Identified uses Chemical mixture; for industrial use.

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 (EC) No 1272/2008 (CLP)

Flammable liquids	Hazard Category 3 -H226
Skin corrosion/irritation	Hazard Category 2 – H315
Sensitisation — Skin	Hazard Category 1 – H317
Serious eye damage/eye irritation	Hazard Category 2 – H319
Reproductive toxicity	Hazard Category 2-H361
Specific target organ toxicity — Repeated exposure	Hazard Category 1 –H372

2.2. Label elements

Classification (EC) No 1272/2008 (CLP)

Marking determining components: Polyester Resin, Dibenzolperoxide powder

Hazard symbols

GHS02

GHS07

GHS05

Signal word: DANGER

Hazard statements	H226	Flammable liquid and vapour.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction
	H319	Causes serious eye irritation.
	H361d	Suspected of damaging the unborn child.
	H372	Causes damage to organs through prolonged or repeated exposure.
Precautionary statements	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P262	Do not get in eyes, on skin, or on clothing.
	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
	P308 + P313	IF exposed or concerned: Get medical advice/attention.
	P210	Keep away from heat / sparks / open flames / hot surfaces. No smoking.
	P405	Store locked up.
	P501	Dispose of contents/container to local regulation.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

QUARTZ - SiO_2 (50% ≤ x < 100%)

CAS number: 14808-60-7 EC number: 238-878-4

Classification

Not Classified - Not Classified : According to ECHA(European chemicals agency) data; non-hazardous substance.

POLYESTER RESIN (25% ≤ x < 50%)

CAS number: 100-42-5; 77-73-6 EC number: 202-851-5; 201-052-9

Classification

Flam. Liq. 3 - H226
Acute Tox. 4 - H332
Eye Irrit. 2 - H319
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT RE 1 - H372

DIBENZOLPEROXIDE POWDER (1% ≤ x < 2,5%)

CAS number: 94-36-0 EC number: 202-327-6

Classification

Org. Perox. B - H241
Eye Irrit. 2 - H319
Skin Sens. 1 - H317

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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 After washing the contact surface with soap, rinse with plenty of water. Get medical attention if any discomfort continues.

Eye contact Rinse with water carefully for a few minutes. Get medical attention if any discomfort continues.

Respiratory If breathing is difficult, get to a well-ventilated area.

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

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation. Suspected of damaging the unborn child.

Organs Causes damage to organs through prolonged or repeated exposure

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.
High pressure water spraying may not be appropriate and adequate application

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases can be emitted. Carbon monoxide emission can be observed.

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

Measures	Avoid direct contact with the eyes and long term contact with the skin. Do not breathe in vapours. Avoid entry into the human body. General ventilation is required. Do not dump into the sewer or waterways. Keep in a well-ventilated place without fire hazard. Material may charge electrostatically during transportation.
Fire and explosion safety precautions	The product can make an explosive mixture with air, including partially filled containers. Close the containers tightly. Keep away from heat, sparks and open flames. Smoking is not allowed. Protect from electrical discharge. Be sure of your grounding system as electrical discharge will cause the vapour to ignite.
Hygiene working conditions	Follow general hygiene rules for working with chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in cool, dry and well ventilated place. Store the product in its original condition
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	TWA (8h): 213 mg/m3 STEL (15 min): 426 mg/m3

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety rules. Before your work breaks and at the end of the day, wash your hands
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	It is recommended that chemical-resistant, impervious gloves are worn.
Other skin and body protection	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. When using do not eat, drink or smoke.
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	Liquid.
Colour	Yellowish.
Odour	Typical of styrene.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	>100 ºC powder (white)
Initial boiling point and range	145 ºC
Flash point	31 °C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Lower explosive limit: 1,1 (vol %) Upper explosive limit: 8 (vol %)
Other flammability	Not determined.
Vapour pressure	7 (mbar)
Vapour density	Not determined.
Relative density	1.65 - 1.75 @ 20°C
Bulk density	1,15 g/cm^3
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	490 ºC
Decomposition Temperature	Not determined.
Viscosity	>90 s
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not determined.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No hazardous reactions have been observed when using in normal storage conditions. It is stable at normal temperature and general working conditions. It does not undergo polymerization in its original packaging.

10.2. Chemical stability

Stability It does not deform under recommended storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions There is no possibility of dangerous reactions.

10.4. Conditions to avoid

Conditions to avoid Keep away from direct sunlight and heat.

10.5. Incompatible materials

Materials to avoid Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation

General

Ingestion May cause discomfort if swallowed.

Germ cell mutagenicity Not classified.

Carcinogenicity Not classified

Reproductive toxicity May cause damage to the unborn child

Specific target organ toxicity (single exposure) Not classified

Specific target organ toxicity (repeated exposure) Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not classified

Toxicological information on ingredients.

STYRENE	**Acute toxicity - oral**	Acute toxicity oral (LD_{50}mg/kg)	6,000.0
		Species	Rat
	Acute toxicity - dermal	Acute toxicity dermal (LD_{50}mg/kg)	2,000.0
		Species	Rat
	Acute toxicity - inhalation	Acute toxicity inhalation 4h (LD_{50}mg/m3)	12,000.0
			Rat
	Skin	Result: Skin irritation	OECD Test Guideline 404
	Eyes	Result: Eye irritation - 24 h	Serious eye damage/eye irritation

SECTION 12: Ecological information

12.1. Toxicity

Ecological information on ingredients.

STYRENE	**Acute aquatic toxicity**	Acute toxicity – Fish	NOEC, 96 hours: 4 mg/l, Pimephales promelas (fathead minnow) LC50, 96 hours: 32 mg/l, Pimephales promelas (Fat-head Minnow) LOEC, 96 hours: 7.6 mg/l, Pimephales promelas (Fat-head Minnow)
		Acute toxicity – Aquatic invertebrates	EC50, 48 hours: 4.7 mg/l, Daphnia magna (Water flea)
		Acute toxicity – Aquatic plants	IC50, 72 hours: 1.7 mg/l, Pseudokirchneriella subcapitata (green algae)

12.2. Persistence and degradability

STYRENE	**Biodegradability**	Aerobic – Exposure time 28d Result: >60% readily biodegradable

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

Mobility	Not applicable.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not applicable.

12.6. Other adverse effects

Other adverse effects	Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Dispose of waste product or used containers in accordance with local regulations. Dispose of in accordance with regulations. Waste should not be mixed with other waste types until the waste is removed. Do not throw it into sewage systems or waterways. The disposal of empty packaging in the form of waste should treated the same as full packaging. Do not reuse used packaging.
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

14.1. UN number

UN No. (ADR/RID)	1866
UN No. (IMDG)	1866
UN No. (IATA)	1866

14.2. UN proper shipping name

RESIN SOLUTION, flammable.

14.3. Transport hazard class(es)

ADR/RID class	3
Label number	3
IMDG class	3
IATA class	3
Transport labels	

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
IATA packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant	No.

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

SECTION 15: Regulatory information

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

EU legislation	This data sheet complies with the requirements of Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures.
TR Regulations	Prepared according to Directive on the classification of substances and mixtures, labelling and packaging.(Date-Number(official):11/12/2013-28848)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to SI 2019 No. 720	On basis of test data. Not irritating. OECD Test No. 439 The product is not flammable. 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	-
Abbreviations and acronyms	CLP: Classification, Labelling and Packaging)CAS : Chemical Abstracts Service EINECS No: The number given by the European Commission according to the structural nature of the material. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road RID: Regulations Concerning the International Transport of Dangerous Goods by Rail ADNR: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways IMDG: International Maritime Code for Dangerous Goods ICAO: International Civil Aviation Organization- IATA: International Air Transport Association LC50 : Lethal concentration,50 percent LD50: Lethal dose,50 percent EC50 : Effective concentration,50 percent-NOEC : No effect concentration PBT : Persistent,Bioaccumulative and Toxic vPvB : very Persistent, very Bioaccumulative
Classification and Procedure	**Classification and Procedure Used to Obtain the Classification of Mixtures According to EC 1272/2008 (CLP)** (TR) Prepared according to Directive on the classification of substances and mixtures, Labelling and packaging.(Date- Number(official):11/12/2013-28848) (EU) Prepared according to Directive Regulation (EC) No 1272/2008 (CLP)
Complete Text of Harmfulness Explicit Codes	H226 - Flammable liquid and vapour. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H241 - Heating may cause a fire or explosion. H361d - Suspected of damaging the unborn child. H372 - Causes damage to organs 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.