Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY UNDERTAKING:

Product Name	:	ANCHORFIX Part A
HS Code	:	**38245000**
Application	:	Polyester Resin Fast Curing Anchoring Grout
Manufacturer	:	MATEX CONSTRUCTION CHEMICALS MANUFACTURING CO. L.L.C.
Address	:	P.O. Box 29585
Telephone	:	+971 4 3334140
Fax	:	+971 4 3334115
Email	:	info@matex.ae
Website	:	www.matex-global.com

2. HAZARDS IDENTIFICATION:

Emergency Overview: WARNING! Adhesive containing a flammable liquid. Causes eye irritation. May cause skin and upper respiratory tract irritation. May cause central nervous system depression. Do not take internally.

Relevant Routes of Exposure: Inhalation, eye and skin.

Signs and Symptoms of Acute Overexposure:
Exposure to styrene vapors from this product, above 50ppm, may cause irritation of the eyes, nose, and throat, and headache, nausea or vomiting. Liquid resin is irritating to eyes and skin. Protective gloves and goggles are recommended when contact with liquid resin by splash is possible. Use with adequate exhaust ventilation.

Signs and Symptoms of Chronic Overexposure:
No known chronic health effects have been observed with normal use of this product.

Potential Health Effects / Health Hazard Identification
Acute Exposure:

Eye	:	Causes Irritation
Skin	:	Causes Irritation
Ingestion	:	May cause irritation to the gastrointestinal track
Inhalation	:	Mucous membrane irritant

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Chronic Exposure	:	Long term exposure to excess styrene vapor may cause nausea, loss of appetite, CNS depression and general weakness.
Other Hazards	:	Known Synergist: None Known
Explosion Hazard	:	Empty containers are dangerous. They still may contain flammable vapors. Keep away from heat, sparks, or flames.
Fire Hazard	:	Classified as Flammable Liquid. Corrosion Hazard: Not Corrosive

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS No.
Polyester Resin	100	113669-95-7

4. FIRST AID MEASURES:

Eye Contact	:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact	:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse.
Ingestion	:	Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Inhalation	:	If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Additional Protective Measures:

First Aid Facilities	:	Eye bath, safety shower, washing facilitation.
Advice to Physicians	:	None known.

5. FIRE FIGHTING MEASURES:

Flammable Liquid	:	Flammability Class: 1C
Extinguishing Media	:	Water spray, dry chemical, Carbon Dioxide, Foam

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Protective Equipment	:	Wear self-contained breathing apparatus and protective clothing.
Special Exposure Hazard	:	Containers can build pressure if exposed to heat or fire. The heat from a fire may cause polymerization which could cause violent rupture of closed containers. Vapors from the product may form explosive mixtures with air.
Special Fire Fighting Procedures	:	Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES:

Leaks and Spills	:	Eliminate all ignition sources. Absorb spill with vermiculate or other inert material, then place in a container for chemical waste. For large spills; flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.
Personal Protection	:	Wear protective coating.

7. HANDLING AND STORAGE:

Handling	:	Material is a combustible liquid; keep away from heat, open flame, oxidizers, and other ignition sources. Avoid breathing vapors Use protective equipments when handling.
Storage	:	Store indoors with adequate ventilation and out of direct sunlight. Store away from oxidizing agents. Always use oldest lots first. Material should last 6 months at not over 75°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering Control	:	Local exhaust ventilation should be used to control the emissions of air contaminants. General dilution ventilation may assist with the reduction of air contaminant concentrations.

Respiratory Protection	:	If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. Respirator type: Organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.
Ventilation Required	:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated space, evaporation from large surfaces, spraying, heating, etc.
Skin Protection	:	Wear impervious gloves, boots, and protective clothing appropriate for the risk of exposure.
Eye Protection	:	Wear safety glasses with side shields (or goggles).

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	:	viscous liquid
Physical state	:	Liquid
Odor	:	styrene odor
Vapor pressure	:	0.6 kPa at 20 C^o (styrene)
Vapor density (Air=1)	:	3.35 (styrene)
Solubility in water	:	insoluble
Boiling point	:	> 35 C^o
Specific gravity	:	0.91 at 20 C^o
pH	:	N/D

10. STABILITY AND REACTIVITY:

Chemical Stability	:	Unstable in extreme heat such as in a fire.
Conditions To Avoid	:	Heat and open flame.
Incompatibility with	:	Avoid oxidizing agents
Hazardous Decomposition	:	Carbon Dioxide, Carbon Monoxide and Organic Acids Products
Hazardous Polymerization	:	May occur.

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11. TOXICOLOGICAL INFORMATION:

Information of toxicity	:	not toxicologically tested
General acute oral toxicity (LD50, rat)		
Skin irritation	:	may cause irritation
Eye irritation	:	may cause inflammation

12. ECOLOGICAL INFORMATION:

Ecological effect information	:	Do not discharge product into drains and sewers.
Impairment of sludge activity		
Other Information	:	Not readily biodegradable

13. DISPOSAL CONSIDERATIONS:

Disposal	:	Discharge, treatment, or disposal may be subject to national, state and local laws. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

UN Number	:	UN 1993
Packing Group	:	PG III

15. REGULATORY INFORMATION:

Potential Health Effects / Health Hazard Identification

Acute Exposure:

Eye	:	Causes Irritation
Skin	:	Causes Irritation
Ingestion	:	May cause irritation to the gastrointestinal track
Inhalation	:	Mucous membrane irritant
Chronic Exposure	:	Long term exposure to excess styrene vapor may cause nausea, loss of appetite, CNS depression and general weakness.

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16. OTHER INFORMATION:

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other applications. Use of the product for applications other than as stated in the sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from MATEX.
If the product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to ensure that any person handling of using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.
Further copies of this Safety Data Sheet may be obtained from MATEX.

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY UNDERTAKING:

Product Name	:	ANCHORFIX Part B
HS Code	:	25051000
Application	:	Polyester Resin Fast Curing Anchoring Grout
Manufacturer	:	MATEX CONSTRUCTION CHEMICALS MANUFACTURING CO. L.L.C.
Address	:	P.O. Box 29585
Telephone	:	+971 4 3334140
Fax	:	+971 4 3334115
Email	:	info@matex.ae
Website	:	www.matex-global.com

2. HAZARDS IDENTIFICATION:

Risk Phrase(s)	:	R43; May cause sensitization by skin contact. R49; May cause cancer by inhalation.
Safety Phrase(s)	:	S22; Do not breathe dust. S24/25; Avoid contact with skin and eyes. S36/37/39; Wear suitable protective clothing, gloves and eye/face protection. S53; Avoid exposure – obtain special instructions before us.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	% Composition	CAS No.
Sand (crystalline quartz)	60-100	14808-60-7
Benzoyl peroxide	0-5	94-36-0

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4. FIRST AID MEASURES:

Inhalation	:	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Apply artificial respiration if not breathing. Seek immediate medical attention.
Ingestion	:	Do NOT induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	:	If skin or hair contact occurs, remove contaminated clothing and wash contaminated skin and hair with plenty of soap and running water. Wash contaminated clothing before re-use. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye	:	If contact with the eye (s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non- affected eye. In all cases of eye contamination, it is a sensible precaution to seek medical advice.
First Aid Facilities	:	Eye wash and normal washroom facilities.
Advice to Doctor	:	Treat symptomatically.

5. FIRE FIGHTING MEASURES:

Extinguishing Media	:	Select to suit surrounding fires.
Specific Methods	:	Keep uninvolved containers cool with water spray. Contain run-off for later collection and controlled disposal.
Protective Equipment	:	Fire fighters to wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing if risk of exposure to vapor or products of combustion to minimize skin exposure.

6. ACCIDENTAL RELEASE MEASURES:

Prevent material entering drains or waterways. Wear dust mask. Sweep or vacuum up without creating dust clouds. Collect into clean, dry containers. Fit lids, label and place in a safe area to await disposal. Thoroughly ventilate area before re-starting work. Disposal must be in accordance with local regulations.

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7. HANDLING AND STORAGE:

Handling Storage : Avoid generation or accumulation of dusts. Use local exhaust extraction. Store in a dry, cool, and well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Exposure Limits : No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC).

However, exposure standards for ingredients are stated below:

Substance	TWA	STEL	NOTICES
Crystalline Silica	0.2 mg/m³	0.7mg/m³	Cat 1 Carcinogen
Benzoyl Peroxide	5 mg/m³		

Other Exposure : TWA – the Time-Weighted Average airborne concentration over Information an working life. STEL (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight – hour workday. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low as a level is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Respiratory Protection : If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to

		Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
Eye Protection	:	Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 – Eye Protectors for Industrial Applications. Final choice of appropriate eye/face protection will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.
Hand Protection	:	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves – Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Advice should be sought from appropriate glove manufacturers in order to ensure gloves are correct for application.
Body Protection	:	Suitable work wear should be worn to protect personal clothing, eg. cotton overalls buttoned at neck and wrist. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothes.
Eng. Controls	:	Use in well ventilated areas. In confined spaces the use of local exhaust ventilation system is recommended. Air concentrations of components should be controlled as low as possible. Keep containers closed when not in use.
Hygiene Measures	:	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	:	Beige powder with fine aggregate.
Melting Point	:	Not determined

10. STABILITY AND REACTIVITY:

Stability	:	Stable under normal conditions.

Hazardous Polymerization	:	Will not occur. STRONG OXIDIZERS (such as FLUORINE, CHLORINE Materials to avoid TRIFLUORIDE, MANGANESE TRIOXIDE, OXYGEN DIFLUORIDE, and HYDROGEN PEROXIDE); ACETYLENE; and AMMONIA.
Hazardous	:	Under fire conditions this product may produce hazardous dusts. Decomposition Products(crystalline silica) and minor ingredients could produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION:

Toxicological Information	:	No toxicity data is available for this specific product, however, toxicity data found for constituents are stated below: Benzoyl Peroxide LD50 (oral, rat) 7710 mg/kg Crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer), however the (NATIONAL OCCUPATIONAL HEALTH & SAFETY COMMISSION NOHSC) has yet to classify crystalline silica as a human carcinogen. Repeated exposure to respirable crystalline silica dust may lead to silicosis, or other related serious delayed lung injury. The onset of silicosis is usually slow and lung damage may occur even when no systems or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma. Exposure to fine dust (respirable crystalline silica dust) contained in the products must be prevented to avoid risk of lung disease.
Inhalation	:	This product may irritate the respiratory track and may cause coughing and sneezing.
Ingestion	:	Ingestion of this product may irritate the gastric tract, causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system.
Skin	:	May cause irritation due to mechanical abrasion resulting in redness, itching and dermatitis particularly when combined with water.
Eye	:	This product may cause mechanical irritation to the eye, resulting in tearing, stinging, blurred vision, and redness.
Chronic Effects	:	Prolonged or repeated skin contact may lead to allergenic

contact dermatitis and sensitization in some individuals. Prolonged exposure to high dust concentrations may cause serious pulmonary disorders.

12. ECOLOGICAL INFORMATION:

Environ. Protection	:	Not expected to create environmental hazards unless dumped in massive quantity.
Mobility	:	Not available
Persistence/Degradability	:	Not available
Bioaccumulation	:	Not available
Ecotoxicity	:	Not available

13. DISPOSAL CONSIDERATIONS:

Disposal should be in accordance with the relevant local, state and federal government regulations.

14. TRANSPORT INFORMATION:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA – DGR.

15. REGULATORY INFORMATION:

Risk Phrase(s)	:	R43; May cause sensitization by skin contact. R49; May cause cancer by inhalation.
Safety Phrase(s)	:	S22; Do not breathe dust. S24/25; Avoid contact with skin and eyes. S36/37/39; Wear suitable protective clothing, gloves and eye/face protection. S53; Avoid exposure – obtain special instructions before us. S36/37/39 – Wear suitable clothing, gloves and eye/face protection.

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