

CHEMFIX



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: CHEMFIX PESF
Company: Chemfix Products Limited- Mill Street East, Dewsbury, West Yorkshire, WF12 9BQ
Chemical Name & Synonyms: 2 COMPONENT CHEMICAL ANCHOR GROUT CONTAINING UNSATURATED RESIN AND DIBENZOYL PEROXIDE
For Information: 01924 453886 (9.00 AM - 5.00 PM)
In an Emergency: As above

2. HAZARDS IDENTIFICATION

Resin: No significant hazard.
Catalyst: May cause sensitisation by skin contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Substance	CAS Number	Concentration Range	Warning Symbol	Risk Phrases
Vinyl toluene (mixed isomers)	25013-15-4	10 – 20%	F,Xn	R10, R20, R36/37/38
Dibenzoyl Peroxide	94-36-0	10 – 20%	E, Xi	R2, R36, R43

4. FIRST AID MEASURES *Summon immediate medical assistance on contact with skin, eyes, inhalation or ingestion.*

Eye: Irrigate with clean water for at least 15 minutes. Seek medical attention.
Skin: Remove from skin with plenty of soap and water. Remove contaminated clothing. If irritation persists, seek medical advice.
Ingestion: Drink plenty of water. Seek medical attention. DO NOT INDUCE VOMITING.
Inhalation: Move patient to fresh air and allow to rest. If patient is slow to recover or unconscious, obtain medical assistance immediately. *First Aiders should protect themselves from exposure (Ref to Section 8).*

5. FIRE FIGHTING MEASURES

Extinguishing Media: Dry powders, CO₂ and Alcohol Foam. **Not to be used: Halones**
Exposure Hazards: Sealed containers heated can pressurise leading to explosion. Emits acrid black smoke and irritating fumes when heated to decomposition.
Fire Fighting Equipment: Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Do not discharge into sewers. Scrape up and place into a suitable container for disposal. Wash area with water.
Refer to section 5, 8 and 13 for Protective Measures and Disposal.

7. HANDLING AND STORAGE

Resin: Keep away from heat and sources of ignition.
Catalyst: Keep away from heat and sources of ignition. No sparking tools should be used. Never bring into direct contact with accelerator. Store in a cool dry place. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metals compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION. Workplace Exposure Limits – None listed

Hazardous Substance	Long Term Exposure Limit 8 hour TWA		Short Term Exposure Limit 15 minutes	
	ppm	mg/m ³	ppm	mg/m ³
Vinyl Toluene - Recommended limits As set out in 2002 version of EH40	100	430	250	1080
Dibenzoyl Peroxide	-	5	-	-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION- Continued

- Respiratory:** If forced air extraction is not available in enclosed areas, an organic vapour mask will be required if the recommended occupational exposure limits are exceeded as set out in 2002 version of EH40 and reproduced above..
- Ingestion:** Unlikely during normal use.
- Skin Protection:** Wear gloves at all times.
- Eye Protection:** Not normally required during normal use. If splashing can occur, goggles should be worn.

9. PHYSICAL/CHEMICAL PROPERTIES

Resin		Catalyst	
Appearance	Thick amber Paste	Appearance	Thick Grey Paste
Odour	Distinct sweet	Odour	Faint
Density	1.60g/cm ³	Density	1.45g/cm ³
Flash Point	53 ⁰ C	Flash Point	Above the SADT (50°C)
Explosive properties	Lower limit 1.1% Upper limit 5.2%	Oxidising properties	Oxidising
Autoflammibility	575°C	Autoflammibility	> 380°C
Solubility	Insoluble in water	Solubility	Soluble in water

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions. Resin component can polymerise (solidify) exothermically if heated, exposed to air, sunlight or by addition of free radical initiators. A dangerous self accelerating decomposition reaction and under certain circumstances explosion or fire can be caused by direct contact of the catalyst with incompatible substances or by thermal decomposition
- Materials to Avoid - Catalyst:** Violent reactions may be expected with acid, alkali, heavy metals and reducing agents. Avoid contact with rust. Do not mix with peroxide accelerators.
- Resin:** Reacts vigorously with strong oxidising agents and peroxides.
- Hazardous Decomposition:** Emits acrid smoke and irritating fumes of carbon oxides when heated to decomposition.
- Hazardous Polymerisations:** Polymerisations in a closed container can give rise to pressure, which may rupture the vessel.

11. TOXICOLOGICAL INFORMATION

- Oral - Resin:** Vinyl toluene is classified as harmful by inhalation. An LC50/4 hour (rat) is 3000mg/m³.
- Catalyst:** Material is classified as a sensitiser and may cause sensitisation by skin contact. An LD₅₀ (rat) is 7710mg/m³
- Inhalation - Resin:** Lung irritant, can induce drowsiness and eventual unconsciousness. Do not breathe fumes. Over exposure may cause fatigue and headaches.
- Eye:** Irritation and redness may occur.
- Skin:** Irritation and redness may occur.

12. ECOLOGICAL INFORMATION

Do not discharge into drains or the environment. Vinyl toluene is expected to biodegrade in a wastewater treatment plant and is not expected to bioconcentrate in aquatic organisms.

13. DISPOSAL CONSIDERATIONS

In an uncured state, place in a suitable container and dispose as chemical waste in accordance with local regulations. Small quantities of resin and catalyst may be reacted together, allow to cure and dispose as solid waste.

14. TRANSPORT INFORMATION

- Supply label:** Not classified as hazardous for transport

15. REGULATORY INFORMATION

- Labelling:** No symbols required
- Risk Phrases: None required
- Safety Phrases: (S2) Keep out of reach of children.
(S23) Do not breathe vapour.
(S37/39) Wear suitable gloves and eye face protection

16.OTHER INFORMATION

Risk phrases used in section 2 and not previously mentioned:

R2 - Risk of explosion by shock, friction, fire or other sources of ignition.

R36/37/38 – Irritating to eyes, respiratory system and skin

R43 - May cause sensitisation by skin contact.

Date of Preparation: April 2008

Prepared By: P Wadsworth

The information contained within this document is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determinations of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees customers.

CHEMFIX PRODUCTS LIMITED
MILL STREET EAST, DEWSBURY, WEST YORKSHIRE, WF12 9BQ
TEL: 01924 453886 FAX: 01924 458995