



TYFO EZ PASTE PART A

Section 1. Product and Company Identification

Product Name: Tyfo EZ Paste Part A
Supplier: FyfeFRP LLC | 15341 Vantage Parkway East. Houston, TX 77073 | +1 855.708.3617
Emergency Phone Number: 800.424.9300 (CHEMTREC)
+1 703.741.5970 (Outside the US)
Product Description: Concrete Repair Paste
Product Use: Concrete Repairs
Chemical Name or Synonym: N/A

Section 2. Hazards Identification

Classification of the substance or mixture

Skin Corrosion/irritation – Category 2
Sensitization/skin – Category 1
Eye damage/irritation – Category 1
STOT (SE) – Category 3
Carcinogenicity – Category 2
Aquatic Hazard (Long-Term) – Category 2

Label Elements:



Hazard Statements:

H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H318 – Causes serious eye damage
H335 – May cause respiratory irritation
H351 – Suspected of causing cancer
H411 – Toxic to aquatic life with long lasting effects

Signal Word: Danger

Precautionary Statements:

P280 – Wear protective gloves. Wear eye or face protection. Wear protective clothing
P302+P352+P363 – IF ON SKIN: Wash with plenty water. Wash contaminated clothing before reuse
P305 + P338 + P351 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do Continue rinsing.
P308 + P313 – IF exposed or concerned: get medical attention
P313+P333 – If skin irritation or rash occurs: Get medical attention
P313 + P337 - If eye irritation persists: get Medical Attention



TYFO EZ PASTE PART A

Section 3. Composition/ Information on Ingredients

Chemical Name	CAS-No	Weight %
Oxirane,2,2'-[(1-methylethlidene) bis (4,1-phenyleneoxymethylene)] bis-, homopolymer	25085-99-8	60 – 90 %
Cement, Portland, chemicals	65997-15-1	1 – 10 %
Titanium Dioxide	13463-67-7	1 – 2.5 %

Section 4. First Aid Measures**First Aid Measures for Accidental:**

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Skin contact: Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed:

Inhalation: No known significant effects or critical hazards

Eye contact: Causes serious eye irritation

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms:

Eye contact: Adverse symptoms may include the following: pain, irritation, watering, redness

Skin contact: Adverse symptoms may include the following: irritation, redness

Indication of immediate medical attention and special treatment needed: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested.

Protection of First-Aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.



TYFO EZ PASTE PART A

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Use of any extinguishing agent suitable for the surrounding fire

Unsuitable Extinguishing Media: None known

Special Fire Fighting Procedures: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. If a fire or if heated, a pressure increase will occur, and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharge to any waterway, sewer or drain.

Special Protective Equipment for Fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Hazardous Thermal Decomposition Products: Carbon Dioxide, Carbon monoxide, metal oxide/oxides

Specific Hazards Arising from the substance or mixture: No data available

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewer, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and Materials for Containment and Cleaning Up: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Section 7. Handling and Storage

Precautions for safe handling: Put on appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure-obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation, or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (See Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to



TYFO EZ PASTE PART A

prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure Controls / Personal Protection**Control Parameters (Exposure Limits):**

Chemical Name	ACGIH TLV	OSHA PEL
Titanium dioxide	TWA 10mg/m ³ 8hrs	TWA: 15mg/m ³ 8hrs – (Dust form)

Appropriate Engineering Control: If user operations generate dust, fumes, gas, vapor or mist use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal Protective Equipment:

Respiratory Protection: Wear dust masks in dusty areas. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Eye / Face Protection: Wear necessary protective equipment. Avoid contact with eyes and prolonged skin contact. Chemical splash goggles should be worn if splash hazard exists.

Skin Protection: Chemical-resistant, impervious gloves complying with an approved standard should always be worn when handling chemical products.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Additional protective measures:**Section 9. Physical and Chemical Properties**

Physical State:	Liquid (Viscous Paste)
Colour:	White
Odor:	No data available
Melting Point/ Freezing Point:	No data available
Boiling point:	No data available
Flammability (solid, gas):	No data available
Lower and Upper Explosion limits/ Flammability Limits:	No data available
Flash Point:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	No data available
Kinematic Viscosity:	No data available
Solubility:	No data available
Evaporation rate (ether=1):	No data available
Flammability Limits in Air:	No data available
Solubility in other solvents:	No data available



SAFETY DATA SHEET

TYFO EZ PASTE PART A

Partition coefficient (n-octanol/water):	No data available
Vapour Pressure:	No data available
Density and/or Relative Density:	1.19
Relative Vapour Density:	No data available
Specific Gravity:	No data available
Particle Characteristics:	No data available

Section 10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous reactions: Under normal storage conditions, hazardous reaction will not occur.

Conditions to Avoid: No data available

Incompatible Materials / Chemicals: Oxidizing materials

Hazardous Decomposition Products: No data available

Section 11. Toxicological Information

Information in the likely route of exposure:

Chemical Name	LD 50 Oral	LD50 Dermal
Cement, Portland, chemicals	1134 mg/kg (rat)	1130 mg/kg (rabbit)

Potential Acute Health Effects:

Skin contact: Irritating to skin.

Eye contact: Irritating to eyes.

Symptoms related to the physical, chemical and toxicological characteristics:

Target organs: No data available

Mutagenicity: No data available

Carcinogenicity: May cause cancer Titanium dioxide IARC Category 2B

Reproductive Toxicity: No data available

Tetratogenicity: No data available

Specific Target Organ Toxicity - single exposure (STOT-se): No Data Available

Specific Target Organ Toxicity - repeated exposure (STOT-re): No Data Available

Over-exposure signs / symptoms: No data available

Delayed and immediate effects and also chronic effects from short and long-term exposure:

Short term exposure: No data available.

Long term exposure: No data available

Numerical measures of toxicity: No data available

Section 12. Ecological Information

Toxicity

Chemical Name	Acute LC50	Acute LC50	Acute LC50
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SAFETY DATA SHEET

TYFO EZ PASTE PART A

Titanium Dioxide	3mg/L Fresh Water, Crustaceans – 48 hrs	6.5 mg/L Fresh Water – Daphnia – 48 hrs	>1000000µg/L Marine Water – Fish – 96 hrs
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Ecotoxicity: No determined

Persistence and degradability: No determined

Bioaccumulative potential: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Mobility in soil: No determined

Other adverse effects: No determined

Section 13. Disposal Considerations

Waste treatment methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Uncleaned packaging: Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur. Dispose of container and unused contents in accordance with federal, state, and local regulations.

Section 14. Transport Information

DOT: Not Regulated

RID: Not Regulated

ADR: Not Regulated

IMDG:

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

UN number: UN3082

Hazard Class: 9

Packing Group: III

IATA:

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

UN number: UN3082

Hazard Class: 9

Packing Group: III

Section 15. Regulatory Information

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

TSCA inventory list: Substances in this product are on the TSCA inventory list.

Massachusetts, New Jersey, Pennsylvania: Product contains Titanium dioxide

Candidate List of Substances of Very High Concern for Authorization: This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard: 96/82/EC Update: 2003



TYFO EZ PASTE PART A

Legislation: Directive 96/82/EC does not apply

Notification status:

US. TSCA: On TSCA Inventory

AICS: Not in compliance with the inventory

NZIoC: Not in compliance with the inventory

ENCS: On the inventory, or in compliance with the inventory

KECI: Not in compliance with the inventory

PICCS: Not in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

Section 16. Other Information

Key Legend Information:

CAS – Chemical Abstracts Service

OSHA – Occupational Safety and Health Administration

NIOSH – National Institute for Occupational Safety and Health

ACGIH – American Conference of Governmental Industrial Hygienists

PEL – Permissible Exposure Limit

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