



TYFO® A PAINT

Section 1. Product and Company Identification

Product Name: Tyfo® A Paint
Supplier: FyfeFRP LLC | 621 Lockhaven Drive. Houston, TX 77073 | +1 281.590.8491
Emergency Phone Number: 800.424.9300 (CHEMTREC)
+1 703.741.5970 (Outside the US)
Product Description: Mixture
Product Use: For professional use only

Section 2. Hazards Identification**Classification of the substance or mixture**

Specific Target Organ Toxicity (Repeated Exposure) – Category 2
Carcinogenicity – Category 1

Label Elements:**Hazard Statement(s):**

H373 May cause damage to organs through prolonged or repeated exposure
H350 May cause cancer

Signal Word: Danger

Precautionary Statement(s):

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear eye protection, protective gloves, protective clothing
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local, regional, national and/or international regulation

Section 3. Composition/ Information on Ingredients

Chemical Name	CAS-No	Weight %
Titanium dioxide	13463-67-7	20 – 30
Calcium Carbonate	1317-65-3	1 – 7
Crystalline Silica (Cristobalite)	14464-46-1	1 – 5
Microcrystalline Silica	14808-60-7	0.5 – 1

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

General: If exposed or concerned: Get medical advice/attention.



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Inhalation: Remove person to fresh air and keep comfortable for breathing.

Ingestion: Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

Eye contact: Rinse eyes with water as a precaution.

Skin contact: Wash skin with plenty of water

Most important symptoms/effects, acute and delayed: No additional information available

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water spray. Dry powder. Foam.

Advice for Fire-fighters: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Specific Hazards Arising from the substance or mixture: The product is non-reactive under normal conditions of use, storage and transport.

Section 6. Accidental Release Measures**Personal Precautions, Protective Equipment, and Emergency Procedures:**

For non-emergency personnel: Only qualified personnel equipped with suitable protective equipment may intervene.

For emergency responders: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental Precautions: Avoid release to the environment.

Methods and Materials for Containment and Cleaning Up: Mechanically recover the product. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site.

Section 7. Handling and Storage

Precautions for safe handling: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage including any incompatibilities: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

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

Chemical Name	ACGIH- TWA (mg/m ³)	OSHA - PEL - TWA (mg/m ³)
Microcrystalline Silica	0.025 mg/m ³ (Silica-Crystalline Quartz; USA; Timeweighted average exposure limit 8 h; TLV – Adopted Value; Respirable fraction)	N/A
Titanium dioxide	10 mg/m ³ (Titanium dioxide; USA; TWA - exposure limit 8 h; TLV - Adopted Value)	15 mg/m ³

Appropriate Engineering Control: Ensure good ventilation of the work station.

Personal Protective Equipment:

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Eye / Face Protection: Safety glasses. Insufficient ventilation: wear respiratory protection.

Skin Protection: Wear suitable protective clothing. Protective gloves

Environmental exposure controls: Avoid release to the environment.

Section 9. Physical and Chemical Properties

Physical state:	Solid
Color:	Mixture contains one or more component(s) which have the following colour(s): Pure substance: white Unpurified: coloured White to light yellow Colourless to white
Odor:	Mixture contains one or more component(s) which have the following odour(s): Odourless
Odor threshold:	No data available
pH:	2 – 11.5
Melting point:	No data available
Freezing point:	Not applicable
Boiling point:	212 °F
Flash point:	999 °C
Relative evaporation rate (butyl acetate=1):	No data available
Flammability (solid, gas):	Non flammable
Explosion limits:	Not applicable
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor pressure:	No data available
Density:	1,314 g/l
Relative density:	Not applicable
Relative vapor density at 20 °C:	No data available
Solubility:	No data available
Log Pow:	No data available
Auto-ignition temperature:	Not applicable


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Decomposition temperature: No data available
Viscosity: Not applicable

Section 10. Stability and Reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to Avoid: None under recommended storage and handling conditions (see section 7).

Incompatible Materials / Chemicals: No additional information available.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Information on toxicological effects:

Acute toxicity: Not classified

Titanium Dioxide (13463-67-7)

LD50 oral > 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)

LD50 dermal rabbit > 10000 mg/kg (Rabbit; Literature study)

LC50 inhalation rat (mg/l) > 6.8 mg/l/4h (Rat; Experimental value)

IARC group 2B - Possibly carcinogenic to humans

Crystalline Silica (Cristobalite) (14464-46-1)

IARC group 1 - Carcinogenic to humans.

Section 12. Ecological Information

Ecotoxicity: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Titanium Dioxide (13463-67-7)

EC50 Daphnia: > 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)

Threshold limit algae: 61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

Persistence and degradability: No (test) data on mobility of the mixture.

Bioaccumulative potential: No additional information available

Mobility in soil: No additional information available

Other adverse effects: No known effects from this product.

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

TDG: Not Regulated

IMDG: Not Regulated

IATA: Not Regulated

Section 15. Regulatory Information

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

Federal Regulations:

All ingredients are listed on the United States TSCA (Toxic Substances Control Act) inventory

International regulations

Canada: No additional information available

EU-Regulations: No additional information available

National regulations

Quartz (14808-60-7): Listed on IARC (International Agency for Research on Cancer)

US State regulations

TYFO® A Paint U.S. - California - Proposition 65 – This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other Information

Key Legend Information:

CAS: Chemical Abstracts Service

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

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