

Issued Date 15-February-2022

PIGMENT PASTE

1.0. IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND SUPPLIER

A. Product identifier

Paste colors consist of mixture of inorganic and organic colorants with polyester resin.

Application : Generally used as a color concentrate for coloring polyester gelcoats which are surface coatings in the fiberglass industry. Also for coloring unsaturated polyester resin.

B. Manufacturer / Supplier / Distributor information

Supplier WPCP SDN. BHD.
6, Jalan Anggerik Mokara 31/64,
Kawasan Perindustrian Kota Kemuning,
40706 Shah Alam, Selangor.
Tel: +60 (3) 5121 7560
Fax: +60 (3) 5121 7520

2.0. HAZARD IDENTIFICATION

Classification of the substance or mixture

Classification under CLP

Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Carc. 1B: H350; Repr. 1A: H360Df; STOT RE 2: H373

Most important adverse effects

May cause cancer. May damage the unborn child. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Label elements

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Hazard statements: H350: May cause cancer.

H360Df: May damage the unborn child. Suspected of damaging fertility.

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms

GHS08: Health hazard
GHS09: Environmental



Precautionary statements

P201: Obtain special instructions before use.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P273: Avoid release to the environment.

P314: Get medical attention if you feel unwell.

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3.0. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Proportion %	Exposure Limits	
			8hr TWA	STEL (15 min)
Long chain polyester base	*	30%-90%	Not set	Not set
Pigments	various	10%-70%		
Surfactants	*	< 1	Not set	Not set

Note: (1) * = specific chemistry withheld as trade secret.

(2) = This MSDS is very much a generalization, and has been put together as such because the writing of individual sheets for all the different formulations is impractical, users need to contact us for further ingredient details if have any doubts.

4.0. FIRST-AID MEASURES (see a doctor promptly after first aid procedure is performed)

- Skin** If the product gets on the skin, thoroughly wash exposed area with soap and water. Remove contaminated clothing and either discard or thoroughly launder before reuse.
- Eyes** Thoroughly wash the eyes in a running stream of water for a minimum 15 minutes. Seek medical aid.
- Inhalation** Remove victim from the expose area, to an open with fresh air. If the person is unconscious, administer artificial respiration and / or oxygen. Seek professional medical help immediately.
- Ingestion** Seek professional medical help immediately. Do not induce vomiting, as this may be a breathing hazard.

5.0. FIRE-FIGHTING MEASURES

- Flashing Point (° C)** N/A
- LEL** N/A
- Flammability** the Material is not flammable (known safe up to 260°C)

Extinguishing Media

Use carbon dioxide or dry chemical extinguishers for small fires, and foam for large fires. Water spray may be used for fire extinguishing. In general, any Class B fire extinguishing agent may be used.

Unusual Fire & Explosion Hazards

Material is combustible, but not flammable. Elevated temperatures (above 300°C) can cause rapid volatilization of the polyester resin, which may ignite if air/oxygen is present. Thermal polymerization is also possible. Avoid using open flames, such as from welding or cutting torches, on or near pigment containers.

Special Fire Fighting Procedures

Cool pigment containers with water spray. Emergency personnel, firefighters, anyone who may be exposed to vapors or products of combustion, should wear a **Self-Contained Breathing Apparatus (SCBA)**.

6.0. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal precautions Avoid heat, flames and other sources of ignition.
Provide adequate ventilation.

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Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.
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Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may accumulate on the floor and in low-lying areas.

Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

7.0. HANDLING AND STORAGE

Response to Spills and Release

Since the product is a thick paste it will flow very slowly. Taking care not to contact any material, gently turn the container upright, to prevent further product leakage. Move the container to a secondary contained area, or place it on top of a plastic sheet. Take a scooping knife or a shovel, and remove all the material from the contaminated area, and transfer to a disposal plastic bag. If the spill is on open ground, scoop all soil that shows visible traces of the colored product, and transfer to the disposal bag. If the spill is on a room floor, desk, or table, wipe final traces of visible colored pigment with soap solution or isopropyl alcohol, and transfer the wipe cloth/paper to the disposal bag. If the spills are large, dike the entire area around the spill, so as to prevent any material transfer to water streams, systems or sewers.

8.0. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective Garments Wear plastic gloves, shoes, and apron while handling the products

Respiratory Protection Use the product in a well-ventilated area, requires no special respiratory protective equipment. However, a NIOSH approved half face respiratory protective equipment, may be used, and is recommended.

Ventilation Use products in a well-ventilated open area, and / or in an area with adequate mechanical (general and / or local exhaust) ventilation.

Eye protection Wear chemical safety goggles.

9.0. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (° C)	N/A	Specific Gravity	1.2 – 2.0
Vapor Density	N/A (no appreciable vapor present)	% Volatility by Weight	Negligible (less than 1%)
Evaporation Rate	N/A	Odor	N/A

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10.0. STABILITY AND REACTIVITY

Stability	Stable
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Excessive heat and prolonged exposure to direct sunlight. Store product in cool place.
Incompatibility	Strong oxidizing agents, acids, and peroxides (except in small quantities while curing).
Hazardous Decomposition Products	Thermal decomposition may generate carbon monoxide, carbon dioxide, low molecular weight hydrocarbons, and / or organic acids.

11.0. TOXICOLOGICAL INFORMATION

Acute oral Toxicity	Ingestion may cause dizziness, drowsiness, headache, nausea and unconsciousness.
Acute Inhalation Toxicity	Inhalation of high concentrations may result in coma and/ or death
Acute Dermal Toxicity	Contact with skin may cause defatting and inflammation
Skin Irritation	Irritating to skin
Eye Irritation	Irritating to eyes
Respiratory Irritation	Irritating to respiratory system
Sensitization	Not available
Mutagenicity	Not available
Carcinogenicity	Titanium dioxide is classified as group 2B (possible for human) by IARC.

12.0. ECOLOGICAL INFORMATION

Products of Biodegradation	Possibly hazardous short term degradation products are not likely. Long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are more toxic

13.0. DISPOSAL INFORMATION

- Recycle and reuse, if possible.
- Convert the waste pigment to a solid product by mixing with resin and catalyzing, the same way as if it were being used as a raw material. The stabilized solid product, can be either for practical purposes, or disposed off to an EPA approved facility.
- Incinerate product at an EPA approved incineration facility.
- Dispose to an EPA approved landfill, complying with the relevant Federal and State regulations, DOT regulations, and manifesting requirements.

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14.0. TRANSPORTATION INFORMATION

Classification For Transport	No Classified.
Proper Shipping Name	Not Applicable.
UN NO	Not Applicable.
Road/ Rail (ADR / RID) CLASS	Not Applicable.
Sea (IMO / IMDG) CLASS	Not Applicable.
Marine Pollutant	No.

15.0. REGULATORY INFORMATION

Classification For Supply	No Classified.
Risk Phrases	Not Applicable.
Safety Phrases	Not Applicable.

16.0. OTHER INFORMATION

Uses and Restrictions Use only in industrial manufacturing processes.

Disclaimer The information in this document has been prepared by WPCP, using careful analysis and is to the best of our knowledge accurate and prepared in good faith. WPCP makes no representation that all the information in this MSDS is accurate and complete, though we believe that we have strived to achieve this. As the conditions of use are beyond our control, WPCP does not assume any responsibility and expressly disclaim any liability for any use of the pigment product.

CAS # : Lead and Chromium free pigments have the following CAS #'s : 12259-21-1, 1309-37-1, 1317-61-9, 1328-53-6, 1333-86-4, 13463-67-7, 164-14-8, 2425-85-6, 5567-15-7, 57455-37-5, 6358-30-1.
Lead and Chromium compounds based pigments have the following CAS #'s: 1344-37-2, 12656-85-8.