



MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone

Domestic North America (800) 424-9300

International (800) 527-3887

This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)

1. Product and Supplier Identification

Product Name: Pigment White

Product Number: 06200402, 06200404, 0620040D, 0620040F, 0620040G, 0620040P, 0620040Q

Date of Prep: 11/26/2010

Product Type: Non-aqueous colorant

Supplier: Fiberlay Inc.
24 S. Idaho S.
Seattle, Wa 98134
(206)782-0660

2. Composition/Information On Ingredients

CAS No.	Chemical Name	% (by weight)	Exposure Limits		
				PPM	Mg/M3
7631-86-9	Amorphous silica	≥ 1.0 to ≤5.0%	TWA: Z:3	20 millions / ft3 air	0.8mg/m3
	Inhalable particles		TWA: Z3	ACGIH	10 mg/m3
	Respirable particles		TWA	ACGIH	3 mg/m3
	Respirable traction		PEL	OSHA Z1	5 mg/m3
	Total dust		PEL	OSHA Z1	15mg/m3
	Respirable traction		TWA:Z3	15 millions/ft3 air	
	Total dust		TWA:Z3	50 millions/ft3 air	
	Respirable traction		TWA	PEL (US CA OEL)	5 mg/m3
	Total Dust		TWA	PEL (US CA OEL)	10 mg/m3

Pigment White

CAS No.	Chemical Name	% (by weight)	Exposure Limits			
				PPM	Mg/M3	PPM
13463-67-7	Titanium dioxide	≥30 to≤60%				
Total Dust			TWA	ACGIH		10mg/m3
			PEL	OSHA:Z1		15mg/m3
Respirable traction			TWA	PEL (US CA OEL)		5mg/m3
Total Dust			TWA	PEL (US CA OEL)		10mg/m3
Respirable traction			TWA:Z3	15 millions /ft3		
Total dust			TWA:Z3	50 millions /ft3		
Respirable traction			TWA:Z3			5 mg/m3
Total dust			TWA:Z3			15 mg/m3

CAS No.	Chemical Name	% (by weight)	Exposure Limits			
				PPM	Mg/M3	PPM
21645-51-2	Aluminum hydroxide	≥ 1.0 to≤5.0%				
Inhalable particulate			TWA	ACGIH		10 mg/m3
Respirable			TWA	ACGIH		3mg/me

CAS No.	Chemical Name	% (by weight)	Exposure Limits			
				PPM	Mg/M3	PPM
Trade Secret	NJTSR No.56705700001-5382P	≥ 1.0 to≤5.0%				

3. Hazards Identification

Emergency Overview: Form – *paste* / Color – *white* / Odor – *faint odor*

Potential Health Effects:

Eye:

- Slight irritant based on animal testing of a similar POLYTREND product

Skin:

- May cause redness and drying of skin
- The product contains a component which is not a skin sensitizer but may be a fatiguing agent based on animal testing

Ingestion:

- May cause gastrointestinal irritation, nausea, vomiting, and diarrhea

Inhalation:

- Possibly irritating

Chronic Health Hazard:

High concentrations of titanium dioxide dust caused microscopic lung tumors in rats in lifetime inhalation studies. However, DuPont, the primary US manufacturer, based on a review of the test data and based on an epidemiological study of employees, concludes that titanium dioxide pigment will not cause chronic respiratory disease in humans at concentrations experienced in the workplace.

4. First Aid Measures

Eyes:

- In case of contact, immediately flush eyes with plenty of water
- Obtain medical attention if irritation develops

Skin:

- Remove contaminated clothing / shoes
- Flush skin with water
- Follow by washing with soap and water
- If symptoms develop or persist, obtain medical attention
- Wash clothing before reuse

Ingestion:

- If swallowed, do NOT induce vomiting
- Have victim drink 8-10 ounces of water to dilute material in stomach
- Get medical attention immediately
- Never give anything by mouth to an unconscious person

Inhalation:

- If inhaled, remove to fresh air
- If breathing is difficult, give oxygen
- If unconscious, evaluate the need for artificial respiration
- Get immediate medical attention

5. Fire Fighting Measures

Flash Point: 110° C (230°F) Method Setaflash Closed Cup

Extinguishing Media:

- Water spray or fog
- Foam
- Dry chemical
- CO2

Fire Fighting Instructions:

- Wear self contained positive-pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear
- Containers can build up pressure if exposed to heat; cool with water spray

6. Accidental Release Measures

- Use personal protective equipment
- Absorb spill with inert material and place in a chemical waste container
- Obey relevant local, state, provincial and federal laws and regulations
- Do not contaminate any lakes, streams, ponds, groundwater, or soil

7. Handling and Storage

Handling:

- Avoid contact with skin, eyes and clothing
- Wash thoroughly after handling
- Follow all MSDS / label precautions even after container is emptied because it may retain product residues

Storage:

- Keep in a dry, cool place
- Keep container closed when not in use

8. Exposure Controls / Personal Protection

Engineering Controls: Use only in well ventilated areas

Eye Protection:

- Chemical resistant goggles must be worn

Skin Protection:

- Safety shower and eye wash fountain should be readily available
- Use impermeable gloves

Respiratory Protection:

- A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal / provincial requirements must be followed whenever workplace conditions warrant respirator use
- NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators

9. Physical and Chemical Properties

Evaporation Rate:	Slower than butyl acetate	Gen. Physical Form	Paste
% Volatiles by wt	2.40 (gm/l)	Color	white
Viscosity, dynamic	75-100 KU (25°C)	Odor	Faint odor
Relative Density:	1.8	Solubility in Water:	Negligible

10. Stability and Reactivity

Materials to Avoid:

- Alkali metals
- Strong acids
- Hydrazides
- Peroxides
- Oxidizing substances

Conditions to Avoid:

- High temperatures

Hazardous Polymerization:

- An exothermic polymerization will occur at temperatures above 150°F if contacted by polymerizing agents such as peroxides and other free radical formers

11. Toxicological Information

CAS No.	Component	Acute:		
7631-86-9	Amorphous silica	Oral Toxicity	LD50 Rat	>24,000 mg/kg
		Dermal Toxicity	LD50 Rabbit	>2000 mg/kg
Repeated exposure has caused lung effects in animals				

CAS No.	Component	Acute:		
13463-67-7	Titanium dioxide	Oral Toxicity	LD50 Rat	>31600 mg/kg
		Inhalation toxicity	LC50 Rat	>6820 mg/m ³ / 4 h
		Dermal Toxicity	LD50 Rabbit	>10,000 mg/kg

High concentrations of titanium dioxide dust caused microscopic lung tumors in rats in lifetime inhalation studies. However, DuPont, the primary US manufacturer, based on a review of the test data and based on an epidemiological study of employees, concludes that titanium dioxide pigment will not cause chronic respiratory disease in humans at concentrations experienced in the workplace.

12. Ecological Information

No ecotoxicological studies are available

13. Disposal Considerations

Waste must be disposed of in accordance with federal, state, provincial and local regulations.

Container Disposal:

- Empty containers by removing the top and inverting to allow all free flowing product to drain
- To meet regulatory criteria, the container is considered empty when less than 3% remains in the container
- Additional special handling is not typically required and the empty container can be discarded with other non-hazardous trash
- Note: Local disposal regulations may be more stringent and require additional restrictions or precautions.
- Customers should check with their local disposal company, municipal or state authority.
- Recycle of plastic or metal containers may require clean rather than empty containers
- In this case the containers can be rinsed with water until the containers are considered generally product free

14. Transport Information

Not classified as dangerous in the meaning of transport regulations

15. Regulatory Information

This product contains the following non-hazardous regulations:

NJTSR No. 56705700001-5027P

CAS No. Trade Secret % (Wt/Wt) 30-60%

US Federal Regulations:

OSHA:	None listed
Clean Air Act Section (112):	None listed
CERCLA Reportable Quantities:	None Listed
SARA Title III Section 311 / 312 Hazard Categories:	
• Acute health hazard	
• Chronic Health Hazard	
Sara Title III Section 313 Reportable Substances:	None listed
Toxic substances Control Act:	None listed

State Regulations:

California Proposition 65:	None listed
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International Regulations:

Unless otherwise note, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact Degussa Corporation Product Regulatory Department.

- | | |
|--------------------------|-----------------------------|
| • Europe (EINECS/ELINCS) | Listed / Registered |
| • USA (TSCA) | Listed / Registered |
| • Canada (DSL) | Listed / registered |
| • Australia | Not listed / Not registered |

- | | |
|-----------------------|-----------------------------|
| • New Zealand | Listed / Registered |
| • Japan (MITI) | Not listed / Not registered |
| • Korea (TCCL) | Listed / Registered |
| • Philippines (PICCS) | Not listed / Not registered |
| • China | Not listed / Not registered |

16. Other Information

HMIS Hazard Classification

Health: 2 Flammability: 1 Physical Hazard: 0

Preparation Date: 11/26/2010

Prepared by: Fiberlay Inc

Comments: This Material Safety Data Sheet was prepared using information provided by Fiberlay Inc, and CCINFO

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Revisions: None