



MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet complies with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200

1. Product and Supplier Identification

Product Filled Polyester Resin

Product Use: Used as a component in composites for colour effect

Supplier: Fama Industries Corporation
7-15050 54A Avenue
Surrey, BC, Canada, V3S 5X7
Telephone: (604) 574-0885
Facsimile: (604) 574-1033

2. Composition

Component	% (w/w)	CAS Number	Exposure Limits ACGIH ¹	LD ₅₀	LC ₅₀
Unsaturated polyester	37-50	Not applicable (mixture)	Not applicable	No data	No data
Pigments which may include: Ferric Oxide	1-2	1309-37-1	TLV-TWA: 5 mg/m ³ (respirable fraction)	No data	No data
Carbon Black		1333-86-4	TLV-TWA: 3.5 mg/m ³ (respirable fraction)	>8000 mg/kg (rat/oral)	No data
Aluminum Trihydrate	45-63	21645-51-2	TLV-TWA ² : 3 mg/m ³ (respirable fraction) 10 mg/m ³ (total fraction)	>5000 mg/kg (rat/oral)	No data
Remaining ingredients not controlled or below disclosure requirements	1-3	Not applicable	Not applicable	Not applicable	Not applicable

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1. ACGIH: American Conference of Governmental Industrial Hygienists (ACGIH). Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.
2. OSHA TWA Limits

3. Hazards Identification

Routes of Entry:

Skin Contact: Minor Eye Contact: Minor Ingestion: Minor Inhalation: Minor

Emergency Overview: The ingredients in this product are reacted and no residue of reactants exists. Inhalation of fine particulate may cause minor irritation of the respiratory tract. Contact with eyes may irritate the eye due to the presence of a foreign object.

Acute Health Effects:

INHALATION: In processing, fines may be created. Inhalation of fines may cause irritation of the upper respiratory tract causing coughing, sneezing, or in some cases, production of phlegm.

SKIN CONTACT: Not expected to have any effect on the skin other than irritation by abrasion.

EYE CONTACT: Contact with eye will cause irritation due to the presence of a foreign particle. Do not rub eye.

INGESTION: Ingestion is an unlikely route of entry. This is not expected to have any acute effects unless there is an accidental ingestion of a gross amount of this product. Symptoms may be gastrointestinal distress causing stomach pains.

Chronic Health Effects: Not applicable

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin, respiratory tract disorders may be aggravated by exposure, but only because of nuisance particulate.

4. First Aid Measures

INHALATION: If overcome by high concentrations of nuisance dust, remove to fresh air. Seek medical attention for any respiratory stress that may occur due to exposure. Give artificial respiration if indicated.

SKIN CONTACT: Wash dust from skin with soap and water. If an irritation occurs, seek appropriate medical attention.

EYE CONTACT: If contact with eye occurs, remove contact lenses. Flush with plenty of water until the foreign matter is washed away.

INGESTION: In the unlikely event that ingestion occurs, consult a physician if the victim shows signs of gastrointestinal distress. Small amounts may pass through the body without harm.

GENERAL COMMENTS: Good personal hygiene is essential. Avoid eating, smoking or drinking in work areas.

5. Fire Fighting Measures

Flash point:	Not applicable
Autoignition Temperature:	Not determined
Lower Explosive Limit:	Not applicable
Upper Explosion Limit:	Not applicable
Sensitivity to Impact:	No
Sensitivity to Static Discharge:	No

Hazardous Combustion Products: Burning may produce oxides of carbon and nitrogen, unidentified organic compounds in smoke, styrene.

Extinguishing Media: Use water spray, carbon dioxide, or dry chemical.

Fire Fighting Instructions: Fire involved product may produce toxic thermal decomposition products. Firefighters must wear self-contained breathing apparatus with full face-piece operated in pressure demand or positive-pressure mode. Wear full protective clothing.

6. Accidental Release Measures

Personal Protection: If remediation of a spill will create dust, wear protective clothing to prevent contact with eyes and skin. Wear approved NIOSH dust mask with N95 efficiency.

Environmental Precautions: Small spills are not expected to have any environmental impact but care should be taken to collect as much of the spilled material as possible.

Cleanup Procedures: Use methods of clean up that will not create nuisance dust. If this is not possible, use protective equipment mentioned above.

Place contaminated particulate into appropriate containers for disposal. Recycling of spilled material is possible if clean and uncontaminated.

7. Handling and Storage

Handling Procedures: Use handling methods that avoid the generation of nuisance dust. Keep containers closed when not in use. Follow safe work procedures and wear appropriate personal protective equipment.

Storage: Store product in dry, ventilated areas.

8. Exposure Controls, Personal Protection

Engineering Controls: If used indoors, use general or local exhaust to maintain the concentration in the atmosphere below the exposure limits stated in Section 2.

Respiratory Protection: Use a NIOSH approved N95 particulate respirator.

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Skin Protection: No recommendation unless worker is subject to irritation from organic particulate. In those cases, wear sufficient protective equipment to prevent contact with skin.

Eye and Face Protection: Wear protective eyeglasses with side shields.

Other: Eye wash station should be located near work area.

9. Physical and Chemical Properties

Appearance:	Coloured amorphous solid	Melting Point:	Not determined
Odour:	Odourless	Boiling Point:	Not applicable
pH:	Not applicable.	Freezing Point:	Not available.
Vapour Pressure:	Not applicable	Relative Density:	1.6-1.8 (water = 1)
Solubility:	Insoluble	Partition Coefficient:	No data
Vapour Density:	Not applicable	Evaporation Rate:	Not available.

10. Stability and Reactivity

Chemical Stability: This product is stable under normal use conditions.

Hazardous Polymerization: Hazardous polymerization will not occur.

Incompatibility: Contact with strong acids or bases may change or damage the products surface properties.

Hazardous Decomposition Products: Decomposition may produce oxides of carbon and nitrogen, unidentified organic compounds in smoke, styrene.

11. Toxicological Information

Acute Exposure (LD₅₀):	No data
Acute Exposure (LC₅₀):	No data
Chronic Exposure:	See Section 3.
Exposure Limits:	See Section 2.
Irritancy:	See Section 3.
Sensitization:	See Section 3.
Neurotoxicity:	No data
Carcinogenicity:	No data
Teratogenicity:	No data
Reproductive Toxicity:	No data
Mutagenicity:	No data
Synergistic Products:	None known

12. Ecological Information

Environmental Toxicity: No data available.

Biodegradability: No data available.

13. Disposal Considerations

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration may be acceptable.

14. Transport Information

Canadian Transportation of Dangerous Goods Regulations: Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

United States Federal Regulations:

Toxic Substance Control Act (TSCA): All components are listed in inventory.

CERCLA, 29 CFR 302: No components have an RQ

SARA 302, 40 CFR 355: No ingredients are listed

SARA 313, 40 CFR 372: No ingredients listed

SARA 311/312, 40 CFR 370: Does not meet requirements

California's Safe Drinking Water and Toxic Enforcement Act 1986(Proposition 65): No components listed

16. Other Information

Preparation Date: June 29, 2007

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Comments: This Material Safety Data Sheet was prepared using information provided by Fama Industries, and CCINFO.

Revisions: None