



MATERIAL SAFETY DATA SHEET

Section 1. Product and Company Identification

Product Name:	EzFlow High Definition Clear Powder	DATE:	1/7/2010
Formula:	30-2048	Rev.	00
Item#:	42048, 42052, 42056, 42107		
Manufacturer:	American International Industries 2220 Gasper Ave Los Angeles, CA 90040		
Chem.-Tel:	(800) 255-3924		

Section 2. Composition / Information on Ingredients

Hazardous Ingredients:

Component	CAS #	%	TOXICOLOGICAL DATA
Polyethylmethacrylate	9003-42-3	65-99	OSHA - N/E ACGIH - N/E
Polymethyl Methacrylate	9011-14-7	0-35	OSHA - N/E ACGIH - N/E
Benzoyl Peroxide	94-36-0	0-1	OSHA - 5 mg/m ³ ACGIH - 5 mg/m ³

Section 3. Hazardous Identification

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: Eyes or skin (No absorption); inhalation of dust.

Eye: Higher concentration can irritate eyes. May cause eye irritation or damage.

Skin: Repeated or prolonged exposure may cause allergic skin rashes.

Ingestion: Higher concentration can irritate respiratory system.

Inhalation: Possible temporary discomfort due to inhalation of dust concentration above the permissible exposure limit. Dust may cause irritation of the nose, throat, and lungs.

Sub-Chronic Effects: For polymer: OSHA classifies this material as Particulates, Not Otherwise Classified. Eyes, skin and Respiratory tract may be irritated by gross overexposure to Particulates, Not Otherwise Classified, no matter how they are generated. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.

For decomposition product. Methyl Methacrylate Monomer; Liquid or high vapor concentration can irritate eyes, respiratory system and cause skin rashes. Prolonged exposure can lead to headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness. Repeated and prolonged over exposure may cause permanent brain and nervous system damage, allergic skin rashes, eye corrosion and permanent injury, as well as changes in liver and kidney function or damage.



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For Benzyl Peroxide: Repeated or prolonged contact may cause skin sensitization.

Section 4. First Aid Measures

First Aid for Eye: Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persist.

First Aid for Skin: Wash with soap and water. Get medical help if discomfort persist.

First Aid for Inhalation: Remove to fresh air. Get medical help if discomfort persists.

First Aid for Ingestion: Rinse mouth out with water. Call doctor if amount was large.

Section 5. Fire Fighting Measures

Flash Point (°F/°C): 580°F/304°C Tag Closed

Flammable Limit (vol%): Not applicable

Auto-ignition Temp. (vol%): None established

Extinguisher Media: Water, carbon dioxide, dry chemical

Fire Fighting Instructions: Avoid extinguishing methods that generate dust clouds. Water streams can disperse dust into air, producing a fire hazard and possible explosion hazard. Fire-fighters should wear self contained breathing apparatus.

Unusual Hazards: Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

Section 6. Accidental Release Measures

Spill or Release Measures: Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

Section 7. Handling and Storage

Handling: Observe precautions found on the label. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking. Avoid prolonged or repeated contact with skin. Avoid contamination. Use only with adequate ventilation.



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Storage:	Store in cool, dry place away from heat, sparks, flame and direct sunlight. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment. Store away from combustibles and incompatible materials.
Explosion Hazard:	Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

Section 8. Exposure Controls / Personal Protective Equipment

Engineering Controls	Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated. Use explosion-proof equipment. Provide ventilation if necessary to control exposure levels below airborne exposure limits.
Personal Protective Equipment:	
General:	Dust collectors are recommended for handling powder in bulk.
Eye/Face Protection:	Use safety glasses and have eye flushing equipment immediately available.
Skin Protection:	Minimize contamination by following good industrial practice. Wearing nitrile, neoprene, pvc, latex or other impermeable gloves is recommended.
Respiratory Protection:	Avoid breathing dust and mist. Use dust mask.

Section 9. Physical and Chemical Properties

Appearance @ 25°C:	Fine White Powder	Viscosity (RVT):	Not applicable
Odor @ 25°C:	Faint odor in bulk	Vapor Pressure:	Not available
pH	Not applicable	Vapor Density:	Not available
Specific Gravity:	Not applicable	Evaporation Rate:	Not available
Ignition:	Not applicable	% Volatile:	Not available
Melting Point:	Not applicable		
Boiling Point:	Not applicable		
Solubility in Water	Insoluble		

Section 10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	Methacrylate monomers
Incompatibility (Materials to Avoid):	



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Strong oxidizing agents

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Heating above 240°C/464°F

Section 11. Toxicological Information

Acute Oral Toxicity: LD50 Oral (Rat): 7990mg/kg

Acute Dermal Toxicity: LD50 Dermal (Rabbit): 35,500 mg/kg

Acute Inhalation Toxicity: LC50 Inhalation (Rat): >12,500 to 16,500 ppm for 0.5 hours

Irritation - skin Mild

Irritation - eye Mild

Sensitization: Not data available

Mutagenicity: None

Sub-chronic Toxicity: None

Section 12. Ecological Information

Acute Toxicity to Fish: Flathead minnows and goldfish TLm24: 420ppm; Bluegills TLm24: 368ppm

Acute Toxicity to
Invertebrates: No data available

Acute Toxicity to Algae: No data available

Bioconcentration: No data available

Toxicity to Sewage
Bacteria: No data available

Chemical Fate Information:

Biodegradability: No data available

Chemical Oxygen
Demand: No data available

Section 13. Disposable Considerations

May be disposed of in a landfill or incinerated. Follow Federal, State and Local regulations for disposal.

Section 14. Transportation Information

<DOT Information>



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Proper Shipping Name (49CFR 172):	Non - Regulated Material
Hazard Class:	—
UN/ID:	—
Packing Group:	—
Class or Division:	—
Emergency Response Guidance (ERG)#:	—

Section 15. Regulatory Information

Clean Air Act: HAP/ODS

This product contains the following hazardous air pollutants (HAP's) or ozone depleting substances (ODS's), as defined by the U.S. Clean Air Act: None

Clean Water Act: Priority Pollutant

This product contains the following chemicals listed under the U.S. Clean Water Act Priority Pollutant List: None

FDA: Food Packaging Status

This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.

Occupational Safety and Health Act

This product is not considered a hazardous chemical under the OSHA Hazard Communication Standard.

RCRA

This product contains no chemicals considered to be hazardous waste under RCRA (40 CFR 261)

SARA Title III: Section 302

This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.

SARA Title III: Section 304

This product contains no chemicals regulated under Sec. 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" list).

SARA Title III: Section 311-312

This product does not contain hazardous substances under the SHE Hazard Communication Standard, and is not regulated under Section 311-312 (40 CFR 370)

SARA Title III: Section 313

This product contains the following chemicals outlined in SARA Title III: Section 313: Benzyl Peroxide Cas# 94-36-0

TSCA Section 8(b): Inventory

This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA per manufacture notification requirements.

CA Right-to-Know Law: Benzyl Peroxide Cas#94-36-0

MA Right-to-Know Law: Benzyl Peroxide Cas#94-36-0

NJ Right-to-Know Law: Benzyl Peroxide Cas#94-36-0

PA Right-to-Know Law: Benzyl Peroxide Cas#94-36-0

FL Right-to-Know Law: Benzyl Peroxide Cas#94-36-0

MN Right-to-Know Law: Benzyl Peroxide Cas#94-36-0



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International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)

Polymer not on the DSL List. Benzyl Peroxide Cas# 94-36-0 is on the DSL list. WHMIS = C, D2B, B4

EINECS: European Inventory Polymer:

Hazard Symbols: Xi Irritant

Risk Phrases: R36/37/38: Irritating to eyes, respiratory system and skin

Safety Phrases: S18: Handle and open container with care, S22: do not breath dust, S24/25: avoid contact with skin and eyes, S38: in case of insufficient ventilation, wear suitable respiratory equipment.

Section 16. Other Information

Hazard Rating System: NFPA

Health: 1

Flammability: 1

Reactivity: 1

Hazard Rating System: HMIS

Health: 1

Flammability: 1

Reactivity: 1

OSHA PEL for nuisance dust: 15 mg/m³ (total dust); 5 mg/m³ (respirable dust)

ACGIH Pel for nuisance dust: 10mg/m³