

PRECISION SURFACES INTERNATIONAL, INC.

922 Ashland Houston, TX 77008-6734

713-426-2220 Fax: 713-426-2223

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Acrylic Fast Set, Powder
Product Identifier: PSI-234-5P
Supplier: Precision Surfaces International, Inc.
922 Ashland, Houston, TX 77008-6734
Emergency Telephone: Infotrac 800-535-5053
Recommended Use: Castable mounting material

SECTION 2: Hazard(s) Identification

Classification

Skin sensitization – Category 1

Signal Word

Warning

Hazard Statements

H317 May cause an allergic skin reaction

Physical State Powder

Appearance Fine, white or pigmented

Odor Faint odor in bulk

Precautionary Statements – Prevention

P261 Avoid breathing dust, fumes, gas, mist, vapors or spray.
P264 Wash hands and exposed skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.

Precautionary Statements – Response

P302+P352 IF ON SKIN: Wash with soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Precautionary Statements – Disposal

P501 Dispose of contents / container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

Not applicable

SECTION 3: Composition/Information on Ingredients

Ingredient	C.A.S. No.	% by Weight
Polymer	9003-42-3	<99*

Benzoyl peroxide	94-36-0	<2*
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*Specific chemical weight has been withheld as a trade secret.

SECTION 4: First-aid Measures

Description of first aid measures

Inhalation

Remove to fresh air. Keep at rest in a position comfortable for breathing, Get medical attention if discomfort persists.

Skin Contact

Wash with soap and water. If irritation persists, call a physician. Take off contaminated clothing and wash before reuse.

Eye Contact

Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. If irritation persists, get medical advice / attention.

Ingestion

Do NOT induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately and provide an estimate of when and how much material was ingested.

Most important symptoms and effects, both acute and delayed

Skin contact may aggravate an existing dermatitis. Direct contact with eyes may cause temporary irritation.

Indication of any immediate medical attention and special treatment required

Note to physicians - Treat symptomatically.

SECTION 5: Fire-fighting Measures

Extinguishing media

Suitable Water, carbon dioxide (CO₂), dry chemical

Unsuitable Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in air producing a fire hazard and possible explosion hazard if exposed to ignition source.

Special hazards arising from the chemical

For bulk size: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

Protective equipment and precautions for firefighters

Self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6: Accidental Release Measures

Protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Remove any contaminated clothing and wash thoroughly before reuse.

Environmental precautions See Section 12 for additional ecological information.

Methods and materials for containment and clean up

Method for containment	Prevent further leakage or spillage if safe to do so.
Method for clean-up	Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Clean up in accordance with all applicable regulations. Wash all affected areas with plenty of warm water and soap.

SECTION 7: Handling and Storage

Precautions for safe handling

Advice on safe handling	Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Avoid breathing dust or fume. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
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Conditions for safe storage including any incompatibilities

Storage conditions	Keep containers tightly closed to prevent water absorption and contamination. Store in a dry, cool and well-ventilated place away from direct sunlight or other sources of light or intense heat. Preferable storage temperature not to exceed 35°C.
Packaging materials	Keep in original container.
Incompatible materials	Strong oxidizing agents.

SECTION 8: Exposure Controls/Personal Protection

Exposure Guidelines

Ingredient	C.A.S. No.	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzoyl peroxide	94-36-0	TWA: 5 mg/m ³	TWA: 5 mg/m ³ TWA: 5 mg/m ³ (vacated)	IDLH: 1500 mg/m ³ TWA: 5 mg/m ³

Appropriate Engineering Controls

Apply technical measures to comply with the occupational exposure limits. When working with large quantities of product, provide adequate ventilation (e.g. local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to US OSHA 29 CFR SS1910.133, Canadian standards or the European Standard EN 166. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Skin/Hand Protection

If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to US OSHA 29 CFR SS1910.138 or the appropriate standards of Canada or the EC member states.

Respiratory Protection

No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR SS 1910.134, or applicable US state regulations,

or the appropriate standards of Canada, its provinces, EC member states or Australia. VENTILATION: Local exhaust at processing equipment.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and Chemical Properties

Physical State:	Powder
Appearance:	Fine
Color:	White or pigmented
Odor:	Faint odor in bulk
Odor Threshold:	Not determined
pH:	Not determined
Melting Point/Freezing Point:	Not determined
Boiling Point/Boiling Range:	Not applicable
Flash Point:	303°C/577°F
Evaporation Rate:	Not applicable
Flammability (solid, gas):	Non-flammable
Flammability Limits in Air	
Upper Flammability Limit:	Not applicable
Lower Flammability Limit:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Specific Gravity:	Not determined
Solubility in Water:	Insoluble in water
Solubility in other solvents:	Not determined
Partition coefficient:	Not determined
Autoignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Kinematic Viscosity:	Not determined
Dynamic Viscosity:	Not determined
Explosive Properties:	Not determined
Oxidizing Properties:	Not determined

SECTION 10: Stability and Reactivity

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under recommended storage conditions

Conditions to avoid

Heating above 240°C / 464°F

Possibility of Hazardous Reactions

None under normal processing

Hazardous Polymerization Does not occur

Incompatible Materials

Strong oxidizing agents

Hazardous Decomposition Products

Methacrylate monomer, oxides of carbon when burned

SECTION 11: Toxicological Information

Information on likely routes of exposures

Product information - This product has not been tested on animals to obtain toxicology data.

Inhalation

Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties.

Skin Contact

May be irritating to skin in some sensitive individuals, especially after prolonged or repeated contact.

Eye Contact

Avoid contact with eyes.

Ingestion

Large amounts may cause nausea, headache, vomiting or diarrhea.

Component Information

Ingredient	ORAL LD50	DERMAL LD50	INHALATION LD50
Benzoyl Peroxide (94-36-0)	6400 mg/kg (rat)		

Information on physical, chemical and toxicological effects

Symptoms See Section 4.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classifiable as a human carcinogen (IARC group 3)

Numerical measures of toxicity – Product

Not determined

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 6250 mg/kg

SECTION 12: Ecological Information

Ecotoxicity	There is no specific data available for this product; however, very large releases may be harmful or fatal to overexposed aquatic life.
Persistence and degradability	Not determined
Bioaccumulation	Not determined
Mobility	Not determined
Other adverse effects	Not determined

SECTION 13: Disposal Considerations

Waste treatment methods**Disposal of Wastes**

Follow all local and national government regulations in disposing material or contaminated packaging.

Chemical Name	California Hazardous Waste Status
Benzoyl Peroxide (94-36-0)	6400 mg/kg (rat)

Contaminated Packaging

For bulk only: Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with federal, state and local regulations.

Chemical Name	California Hazardous Waste Status
Benzoyl Peroxide (94-36-0)	Toxic, Ignitable, Reactive

SECTION 14: Transport Information

Not regulated per U.S DOT, IATA, or IMDG.

SECTION 15: Regulatory Information**International Inventories**

TSCA	For use in FDA regulated products only	United States Toxic Substances Control Act, Section 8(b) Inventory
DSL	Listed	Canadian Domestic Substances
EU Regulations	EC No. 1272/2008 (CLP) Classification, Labeling, Packaging	

US Federal Regulations

Chemical Name	CAS	Weight %	SARA 313 – Threshold Values %
Benzoyl Peroxide	94-36-0	1	1.0

US State Regulations**US State Right-to-know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Benzoyl Peroxide (94-36-0)	X	X	X

SECTION 16: Other Information**HMIS Hazard Classification**

Health Hazards: 1 Flammability: 1 Physical Hazard: 0

The above information and recommendation are believed to be accurate and reliable. However, no warranty, either expressed or implied, is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. The manufacturer or supplier shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.

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