

SAFETY DATA SHEET

Effective Date 1/1/2024

Version 3

1. IDENTIFICATION

Product Identifier

Product Name FAST CURE ACYLIC POWDER

Other means of identification

PART# M142/M143

Product Code

Recommended use of the chemical and restrictions on use

Recommended Use Castable mounting material

Details of the supplier of the safety data sheet

Supplier Address METLAB CORPORATION
4011 HYDE PARK BLVD.
NIAGARA FALLS, NY 14305

Emergency telephone number

Company Phone Number +800-828-6866

Emergency Telephone + 800-255-3924

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Eye Damage/Irritation	2A
Skin sensitization	Category 1

OSHA Defined Hazards

For bulk size: Combustible dust, may form combustible dust concentrations in air, explosion hazard.

Signal word Warning

Hazard statements H317 May cause an allergic skin reaction

H320 Causes eye irritation



Physical State Powder

Appearance Fine, white or pigmented

Odor Faint odor in bulk

Precautionary Statements – Prevention

P240 Ground/bond container and receiving equipment.

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.

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 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

3. COMPOSITION / INFORMATION ON INGREDIENTS
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Chemical Name	CAS No	Weight - %	Trade Secret
Polymer	9003-42-3	< 99	*
Benzoyl peroxide	94-36-0	<2	*

*Specific chemical weight has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Inhalation	Remove to fresh air. Keep at rest in a position comfortable for breathing, Get medical attention if discomfort persists.
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.
Skin Contact	Wash with soap and water. If irritation persists, call a physician. Take off contaminated clothing and wash before reuse.

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable: Water, chemical (alcohol resistant) foam, dry chemical or carbon dioxide (CO₂),

Unsuitable: Water may not be effective in extinguishing this fire.

Specific hazards arising from the chemical

For bulk size: Polymers are combustible dusts, care should be taken to avoid creating explosive concentrations in the air. Follow grounding and bonding procedures.

Special Fire Fighting Procedures

Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

Protective equipment and precautions for firefighters

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Polymers are sensitive to static discharge, follow grounding and bonding procedures. Polymers are not sensitive to mechanical impacts.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Deny entry to all unprotected individuals. Remove any contaminated clothing and wash thoroughly before reuse.

Environmental precautions Extinguish all ignition sources. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. U.S. Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

Methods and material for containment and clean-up

Method for containment Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material, sand or earth. May contaminate water supply.

Method for clean-up Maximize ventilation (open doors and windows) and secure all sources of ignition. Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Place into appropriate closed containers for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Not a RCRA Hazardous waste.

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.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines

Chemical Name	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 and body 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Powder	Odor	Faint odor in bulk
Appearance	Fine	Odor threshold	Not determined
Color	White or pigmented		
Property	Values		
Flash point	303°C / 577°F		
Flammability limits in air			
Upper flammability limit	Not applicable		
Lower flammability limit	Not applicable		
Specific gravity	0		

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions
Chemical stability	Stable under recommended storage conditions
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

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.
Eye contact	Avoid contact with eyes.
Skin contact	May be irritating to skin in some sensitive individuals, especially after prolonged or repeated contact.
Ingestion	Large amounts may cause nausea, headache, vomiting or diarrhea.

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)

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

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	
Disposal of wastes	Follow all local and national government regulations in disposing material or contaminated packaging.
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.

14. TRANSPORTATION INFORMATION

DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. REGULATORY INFORMATION

International Inventories

Canada DSL	Listed
EINECS	Listed
TSCA	Listed

US Federal Regulations

SARA 302 – Extremely Hazardous – Not Listed
SARA 311 / 312 Hazard Categories – Not Listed
SARA 313 – Toxic Chemicals for Benzoyl peroxide 94-36-0 Listed

US State Regulations

California Proposition 65 – None

16. OTHER INFORMATION

HMIS	Health Hazards	Flammability	Physical Hazards
	1	1	0

Effective Date 1/12/2024

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet