

# Material Safety Data Sheet

## BP-8004 & 8005 FOUNDRY PATTERN SEALER

Updated: 11/07

### Section 1 - Chemical Product and Company Identification

**Product Name:** BP-8004 FOUNDRY PATTERN SEALER  
**General Use:** Filling voids in styrofoam foundry patterns.  
**Manufacturer:** BLEHM PLASTICS: 2140 Earlywood Drive, Franklin IN 46131

FOR CHEMICAL EMERGENCY CALL CHEMTREC (24 HOURS)  
1-800-424-9300 (U.S., Canada, Puerto Rico, Virgin Islands)  
1-703-527-3887 (Outside above area, collect calls accepted)

For non-emergency information, call: 1-317-736-4090 (Monday-Friday 7:30am to 4:30pm EST)

### Section 2 - Composition / Information on Ingredients

Ingredient Name	Exposure Limits	CAS Number	% wt
Potassium Hydroxide	None established	1310-58-3	<1
Non-hazardous Ingredients	Not applicable	Not applicable	>98

### Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

**HMIS**  
**H** 1  
**F** 0  
**R** 0  
†Sec. 8

#### Potential Health Effects

**Primary Entry Routes:**

**Target Organs:**

**Acute Effects**

**Inhalation:** Not an expected route of exposure.

**Eye:** Irritation.

**Skin:** Irritation.

**Ingestion:** The same as eating soap.

**Carcinogenicity:** IARC, NTP, and OSHA do not list product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** None expected.

**Chronic Effects:** May cause irritation.

### Section 4 - First Aid Measures

**Inhalation:** Not applicable.

**Eye Contact:** Flush with water and seek medical advice.

**Skin Contact:** Wash with soap and water.

**Ingestion:** If large amounts, induce vomiting.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** Treat medically like soap.

### Section 5 - Fire-Fighting Measures

**Flash Point:** >212 °F (100 °C)

**Flash Point Method:** PMCC

**Auto Ignition Temperature:** Not determined

**LEL:** Not determined

**UEL:** Not determined

**Extinguishing Media:** Dry chemical, foam or water fog.

**Unusual Fire or Explosion Hazards:** None

**Sensitivity to Mechanical Discharge:** No

**Sensitivity to Static Discharge:** No

**Hazardous Combustion Products:** Oxides of carbon.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

## Section 6 - Accidental Release Measures

### Spill /Leak Procedures:

**Small Spills:** Remove by mechanical means.

### Large Spills:

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Cleanup:** Remove by mechanical means.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** Wash hands before eating or smoking.

**Storage Requirements:** Store in cool ventilated area. Keep from freezing.

## Section 8 - Exposure Controls / Personal Protection

### Engineering Controls:

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:** †PPE = Personal Protective Equipment

**Respiratory Protection:** None required.

**Protective Clothing/Equipment:** Wear chemically protective gloves. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133).

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance and Odor:** White paste with slight aromatic odor.

**Odor Threshold:** Unknown

**Vapor Pressure:** 760 mm Hg at 212 °F (100 °C)

**Vapor Density (Air=1):** Water

**Density:** 0.85 g/ml

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 0.85

**pH:** Approximately 10

**Water Solubility:** Dispersible

**Coefficient of Water/Oil Distribution:** Unknown

**Boiling Point:** 212 °F (100 °C)

**Freezing/Melting Point:** 32 °F (0 °C)

**% Volatile:** Not available

**Evaporation Rate:** Water

## Section 10 - Stability and Reactivity

**Stability:** Product is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** None.

**Conditions to Avoid:** None.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of product can produce oxides of carbon.

### Section 11- Toxicological Information

#### Toxicity Data:

**Eye Effects:** Irritation.

**Skin Effects:**

Irritancy: Low.

Sensitization: No.

**Synergistic Products:** None.

**Acute Inhalation Effects:**

LC<sub>50</sub>: Not available.

Inhalation is not an expected route of exposure, due to low volatility of product.

**Acute Oral Effects:**

Rat, oral, LD<sub>50</sub>: Not available. Low toxicity.

**Chronic Effects:**

**Reproductive Effects:** None

**Mutagenicity:** No

**Teratogenicity:** No

### Section 12 - Ecological Information

**Ecotoxicity:** Keep out of surface waters, sewers and waterways.

### Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 14 - Transport Information

#### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** Not regulated.

### Section 15 - Regulatory Information

**EPA Regulations:**

RCRA Hazardous Waste Number: Not listed

RCRA Hazardous Waste Classification (40 CFR 261): Not classified.

CERCLA Hazardous Substance (40 CFR 302.4): Unlisted.

CERCLA Reportable Quantity (RQ): Not listed.

SARA 311/312 Codes: None.

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed.

**Other Regulations:**

This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all of the information required by the CPR.

### Section 16 - Other Information

**Prepared By:** Roger Brunette

**Disclaimer:** The information on this MSDS is based on the data available to us and is believed to be correct. However, Blehm Plastics, Inc. makes no warranty, express or implied regarding the accuracy of this data.

## Section 1 - Chemical Product and Company Identification

**Product Name:** BP-8005 FOUNDRY PATTERN SEALER

**General Use:** Filling voids in styrofoam foundry patterns.

**Manufacturer:** BLEHM PLASTICS: 2140 Earlywood Drive, Franklin IN 46131

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## Section 2 - Composition / Information on Ingredients

Ingredient Name	Exposure Limits	CAS Number	% wt
Potassium Hydroxide	None established	1310-58-3	<1
Monastral Green	None established	1328-53-6	<1
Non-hazardous Ingredients	Not applicable	Not applicable	>98

## Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

HMIS	
<b>H</b>	1
<b>F</b>	0
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**Ingestion:** The same as eating soap.

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**Flash Point Method:** PMCC

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**LEL:** Not determined

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**Storage Requirements:** Store in cool ventilated area Keep from freezing.

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**Administrative Controls:** †PPE = Personal Protective Equipment

**Respiratory Protection:** None required.

**Protective Clothing/Equipment:** Wear chemically protective gloves. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133).

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Irritancy: Low.

Sensitization: No.

**Synergistic Products:** None.

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**Reproductive Effects:** None

**Mutagenicity:** No

**Teratogenicity:** No

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**Ecotoxicity:** Keep out of surface waters, sewers and waterways.

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