

# Material Safety Data Sheet

## BP-8002 & 8003 FOAMED STYRENE ADHESIVE

Updated: 11/07

### Section 1 - Chemical Product and Company Identification

**Product Name:** BP-8002 FOAMED STYRENE ADHESIVE

**General Use:** Pressure sensitive adhesive for bonding Styrofoam.

**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 |
|-----------------------------|------------------|------------|------|
| Zinc Dibutyldithiocarbamate | None established | 136-23-2   | <1   |
| Octyl Phenoxyethanol        | None established | 9036-19-5  | <2   |
| Cyclosol 53                 | 25 ppm ACIGH TLV | 64742-95-6 | <6   |
| Ammonia                     | 25 ppm ACIGH TLV | 1336-21-6  | <.25 |
| Monastral Green             | None established | 1328-53-6  | <1   |

### Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

HMIS

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†Sec. 8

#### Potential Health Effects

**Primary Entry Routes:**

**Target Organs:**

**Acute Effects**

**Inhalation:** Irritation of the respiratory tract.

**Eye:** Burning eyes.

**Skin:** Irritation.

**Ingestion:** The latex will solidify in the digestive tract.

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

**Medical Conditions Aggravated by Long-Term Exposure:** Impaired pulmonary function.

**Chronic Effects:** Irritation of the respiratory tract.

### Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air.

**Eye Contact:** Flush immediately with water. Get medical attention.

**Skin Contact:** Flush with water, if irritation persists, get medical attention.

**Ingestion:** Seek immediate medical attention. The latex will solidify in the digestive tract.

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

**Note to Physicians:** Treatment should be directed to the control of symptoms. Latex solidifies in the digestive tract.

### Section 5 - Fire-Fighting Measures

**Flash Point:** >200 °F (93 °C)

**Flash Point Method:** PMCC

**Auto Ignition Temperature:** Not determined

**LEL:** Not determined

**UEL:** Not determined

**Extinguishing Media:** Water or foam.

**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:** Flush with water.

**Large Spills:**

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

**Cleanup:** Coagulate with 0.3% calcium chloride and dispose of as a solid.

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

## Section 7 - Handling and Storage

**Handling Precautions:** Avoid inhalation of ammonia vapors.

**Storage Requirements:** Keep from freezing. Avoid boiling temperatures.

## 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:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions

**Protective Clothing/Equipment:** 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:** Green milky liquid with ammonia odor.

**Odor Threshold:** Unknown

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

**Vapor Density (Air=1):** .63

**Density:** 0.946 g/ml

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 0.946

**pH:** 9.8

**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 from ammonia fumes.

**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

**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: Immediate Health Hazard.

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

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**Ingestion:** The latex will solidify in the digestive tract.

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

**Medical Conditions Aggravated by Long-Term Exposure:** Impaired pulmonary function.

**Chronic Effects:** Irritation of the respiratory tract.

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**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.

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**Cleanup:** Coagulate with 0.3% calcium chloride and dispose of as a solid.

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

### Section 7 - Handling and Storage

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Sensitization: No.

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**Chronic Effects:**

**Reproductive Effects:** None

**Mutagenicity:** No

**Teratogenicity:** No

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