



MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: BH - Thermocement®	Manufacturer: Federal Mogul Corporation 26555 Northwestern Highway Southfield, MI 48033
MSDS# BH-090	24hr Emerg # (Infotrac): 1-800-535-5053 International: 001-352-323-3500 Non-Emerg #: 248-354-9844

SECTION 2: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Bentley-Harris - Thermocement® is a high-temperature cement used to install gaskets on stoves, fireplace inserts, and other hot equipment.

Although the ingredients used to formulate this product may be hazardous in the raw state, the manufacturing process results in a solid, infusible form, binding and otherwise, rendering the mixture inert. We have identified all the constituents below present in quantities greater than 1% (0.1% for carcinogens) that may be released from the product by such operations as overheating, burning, machining, abrasion, or riveting.

This following information provides minimum criteria for safe usage and handling of this product. Companies using this product should develop their own occupational health program to protect employees from injury or adverse health effects.

Ingredient*	CAS No.:	% Weight	OSHA PEL	ACGIH TLV
Sodium metasilicate	6834-92-0	70	None Established	None Established
Carbon black	1333-86-4	30	3.5 mg/m ³	3.5 mg/m ³

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

The product is not considered hazardous, but operations (overheating, burning, machining, abrading, or riveting) that can create airborne dust should be avoided.

POTENTIAL HEALTH EFFECTS

Inhalation: Inhalation of dust and vapor may cause irritation.

Skin: Contact with the skin may cause irritation or a rash to develop. Prolonged contact with skin may cause alkaline type burns.

Eye: Contact with eyes will cause irritation.

Ingestion: Not a probable route of entry.

POTENTIAL HEALTH EFFECTS (continued)**Carcinogenicity:**

COMPONENT
NTP
IARC
OSHA

Sodium metasilicate

No
No
No

Carbon black

No
Yes (2B)
No

Symptoms and Effects of Exposure to Selected Individual Components**CARBON BLACK**

Inhalation hazards – Should be treated as a nuisance dust. Exposure may cause temporary upper respiratory tract discomfort. IARC classifies carbon black as Group 2, possibly carcinogenic to humans. Proposition 65 lists carbon black as a cancer-causing chemical.

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. If irritation persists, seek medical attention.

Eye Contact: Rinse thoroughly with ample amounts of water for 15 minutes. If irritation persists, seek medical attention.

Skin Contact: Wash thoroughly with soap and water. If irritation persists, seek medical attention.

Ingestion: If swallowed, drink large amounts of milk to dilute. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

This product is non-burning.

Flashpoint: N/A	LEL: N/A	UEL: N/A	Autoignition Temperature: N/A
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Extinguishing Media: Any extinguishing media is acceptable.

Unusual Fire and Explosion Hazards: Hazardous decomposition products may be generated in fire conditions.

Special Fire-Fighting Procedure: Wear self-contained breathing apparatus when extinguishing a fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Clean area with water immediately. Dispose in accordance with all federal and state regulations.

SECTION 7: HANDLING AND STORAGE

Store material at room temperature. Keep container closed after use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Any operation which may produce vapors or particulate, including cutting, machining, grinding, riveting, or abrading of this product, should be adequately exhausted.

Respiratory Protection: Not required under normal processing conditions. Use a NIOSH-approved respirator if there is a potential for exposure to dust or vapor exceeding PEL or TLV. (See 29 CFR 1910.134, respiratory protection standard).

Skin Protection: Gloves should be worn when dispensing product.

Eyes: Wear safety glasses or goggles, as necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A	Vapor Pressure:	N/A
Melting Point:	N/A	Vapor Density (air = 1):	N/A
pH:	N/A	% Volatile:	N/A
Specific Gravity:	1.4	Evaporation Rate:	N/A
Water Solubility:	Insoluble	Form, Color and Odor:	Paste, black and odorless

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable at normal temperatures and storage conditions.

Incompatibility (Materials/Conditions to Avoid): Contact with acid will cause material to gel and evolve heat. Reacts violently with fluorine. Prolonged contact with aluminum, zinc, tin, or lead may generate hydrogen gas.

Hazardous Polymerization: Will not polymerize.

Decomposition Products: None expected under normal use of this product.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation: Refer to Section 3

Skin: Refer to Section 3

Eye: Refer to Section 3

Ingestion: Refer to Section 3

Acute: None known

Chronic: None known

SECTION 12: ECOLOGICAL INFORMATION

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Federal and state law regulates disposal of scrap material or dust as solid waste; must be in accordance with federal and state law. Contact local regulatory agency for guidance.

SECTION 14: TRANSPORTATION INFORMATION

Proper Shipping Name: Not regulated
Hazard Class: N/A
Identification Number: N/A
Packing Group: N/A
Shipping Label: None
Additional Marking Requirement: None

SECTION 15: REGULATORY INFORMATION

U.S. TSCA: The chemicals used in the manufacture of this product are listed on the U.S. Toxic Substances Control Act (TSCA) Inventory

California Proposition 65: This product contains an ingredient (carbon black) known to the State of California to cause cancer, birth defects or other reproductive effects.

SARA Title III – Section 313 Supplier Notification: This product does not contain chemicals (1) subject to SARA Title III/CERCLA “reportable quantities” (RQs) and/or “threshold planning quantities” (TPQs) and/or (2) classified as “Toxic Chemicals” under the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372.

RCRA Hazardous Waste Code: Not Available

CERCLA Hazardous Substances: Not Available

OSHA: A PEL has been established for carbon black, one of the ingredients of this product.

WHMIS Classification: Not Available

SECTION 16: OTHER INFORMATION

Abbreviations:

- CAS No.: Chemical Abstract Services Number
- OSHA PEL: U.S. Occupational Safety and Health Administration, Permissible Exposure Limit
- ACGIH TLV: American Conference of Governmental Industrial Hygienists, Threshold Limit Value (2004)
- N/A: Not Applicable
- IARC: International Agency for Research on Cancer
- NTP: National Toxicology Program
- HEPA: High efficiency particulate air
- NIOSH: National Institute of Occupational Safety and Health

The information and recommendations stated above are taken from sources believed to be accurate as of the date of this revision. Federal-Mogul makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability, including direct, incidental or consequential damages for any reliance thereof.

This MSDS should not be used as a complete or accurate summary of the content of this product. For specific information on brand names, manufacturers, or quantities, please refer to product specification documents, wherever available.