



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **BREWER COTE CRACK FILLER**
Item Number: **13405C** Date: **March 4, 2003**
Chemical Name: **Modified Asphalt Mixture and Clay Emulsion.**
Common Products: 13406C, 13490, 13490C
Company Information: The Brewer Company
1354 U.S. Hwy. 50
Milford, OH 45150

Emergency Phone: CHEMTREC 800-424-9300 24 HOURS
General Information 800-394-0086

2. COMPOSITION/ INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS NO.</u>	<u>% by Weight</u>
Petroleum Asphalt	8052-42-4	80 ± 20
Vacuum Distillate	64741-53-3	25 ± 15
Styrene-Butadiene Block Copolymer	9003-55-8	5 ± 10
Ethylene-Butadiene Block Copolymer	66070-58-4	5 ± 10
Vulcanized Rubber Compound	N / A	0 ± 10
Limestone	1317-65-3	25 ± 50

This document is not for technical or purchase specification, but is to be used for hazard purposes only.

These are typical values based on material testing, but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance and odor: A Dark Brown - Black liquid consistency asphalt emulsion crack filler with a slight petroleum odor.

WARNING STATEMENTS: Harmful if swallowed. Direct contact with hot material may cause thermal burns and possible blindness.

POTENTIAL HEALTH EFFECTS:

Likely Routes of Exposure:

EYE CONTACT: Conjunctivitis, irritation, tearing. Direct contact to hot material will cause thermal burns and may cause blindness.

SKIN CONTACT: Irritation, redness, dryness, dermatitis or irritation. Contact with hot material may cause thermal burns.

INHALATION: Mists and vapors may cause irritation, pulmonary edema or hypoxia.

INGESTION: Considered unlikely.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES: If contact with hot material occurs **SEEK MEDICAL ATTENTION IMMEDIATELY**. If prolonged exposure to vapors cause irritation, remove person away from exposure source and into fresh air, flush eyes for at least 15 minutes, if irritation continues **SEEK MEDICAL ATTENTION**.

IF ON SKIN:	If contact with hot material wash with soap and water. Do not attempt to remove congealed solid from skin, cool area with water and SEEK MEDICAL ATTENTION . Do not attempt to remove congealed solid from skin with petroleum solvents.
IF INHALED:	If inhaled, remove to fresh air, if irritation continues, seek medical attention. If not breathing, give artificial respiration or oxygen as needed. SEEK MEDICAL ATTENTION .
IF SWALLOWED:	If ingested, DO NOT INDUCE VOMITING. Give water or clear liquids. Consult local Poison Control Center, IMMEDIATELY! SEEK MEDICAL ATTENTION

5. FIRE FIGHTING MEASURES

FLASH POINT:	>400°F minimum
HAZARDOUS PRODUCTS OF COMBUSTIONS:	CO, CO ₂ , H ₂ S and sulfur dioxide
EXTINGUISHING MEDIA:	CO ₂ or dry chemical extinguishers
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Stable. Foam and Water may cause frothing

6. ACCIDENTAL RELEASE MEASURES

If your facility or operation has an "oil or hazardous substance contingency plan", activate the procedure. Take immediate steps to stop and contain the spill.

Shut off all sources of ignition.

- Keep people away.
- Recover free product, add limestone, earth, or other suitable absorbents.
- Minimize skin contact and avoid breathing vapors.
- Ventilate confined spaces.
- Keep product out of sewers and waterways by diking or impounding.
- Advise authorities if product has entered sewers, waterways or extensive land areas.
- Assure conformity with all applicable government regulations.

Dispose of in an approved facility; see Section 13, Disposal Considerations.

7. HANDLING AND STORAGE

HANDLING:	Where protective clothing, gloves and OSHA approved eye protection. When not in use, securely replace lid on open containers
STORAGE:	Store in a cool dry, away from heat and corrosion sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:	OSHA approved glasses, goggles or full-face shield. Have eye baths readily available. Do not wear contact lenses.
SKIN PROTECTION:	Wear impervious gloves and clothing to prevent skin contact.
RESPIRATORY PROTECTION:	Not applicable
VENTILATION:	Maintain positive flow of fresh air.

AIRBORNE EXPOSURE LIMITS:	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum Asphalt	No STEL recommended	5 mg/m ³
Vacuum Distillate	5 mg/m ³	10 mg/m ³
Styrene-Butadiene Block Copolymer	Not Established	Not Established
Ethylene-Butadiene Block Copolymer	Not Established	Not Established
Vulcanized Rubber Compound	Not Established	Not Established
Limestone	15 mg/m ³	10 mg/m ³

Limestone contained in this product is totally encapsulated and does not present a respirable dust hazard.

Components referred to herein, may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be use.

9. PHYSICAL AND CHEMICAL PROPERTIES

CHEMICAL FORMULA:	Not applicable, mixture
APPEARANCE:	A dark brown to black liquid consistency asphalt emulsion crack filler.
ODOR:	Slight petroleum odor
pH:	Not Determined
MELTING POINT (°F):	Not applicable
DENSITY (lb./gal):	Not Determined
SOLUBILITY IN WATER:	Negligible
NOTE:	These are typical values based on material testing, but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

STABILITY:	Stable.
MATERIALS TO AVOID:	Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	H ₂ S, CO, CO ₂ and sulfur oxide
HAZARDOUS POLYMERIZATION:	None

11. TOXICOLOGICAL INFORMATION

Oral – rat LD50 (mg/kg):	No data available
Dermal – rabbit LD50 (mg/kg):	No data available
Eye Irritation – rabbit:	No data available
Skin Irritation – rabbit (24-hr exposure):	No data available

12. ECOLOGICAL INFORMATION

This product may cause adverse environmental effects if used improperly or release to the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plant and animal species.

13. DISPOSAL CONSIDERATIONS

This product, when discarded or disposed of, is not specifically listed as a hazardous waste in federal regulations. It could be designated as a hazardous waste according to state regulations. This product could also become a hazardous waste if it is mixed with or comes in contact with a hazardous waste. If such contact occurs, consult 40 CFR, to determine whether it is a hazardous waste.

The transportation, storage, treatment and dispose of this waste must be conducted in accordance with all applicable federal, state and local regulations.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

US DOT: Not classified as a hazardous material under HM-181

CANADIAN TDG: Not determined

15. REGULATORY INFORMATION

TSCA INVENTORY:	Not determined
DSL INVENTORY:	Not determined
WHMIS CLASSIFICATION:	Not determined

SARA HAZARD NOTIFICATION:

Hazardous Categories Under Title III Rules (40 CFR 370):	Not applicable
Section 302 Extremely Hazardous Substances:	Not applicable
Section 313 Toxic Chemical(s):	Not applicable

Other: This substance contains components subject to the provisions of the Pennsylvania Worker and Community Right to Know Act. Specific chemical identities are a trade secret under the provisions of 35 Pennsylvania State Section 7311.

CERCLA REPORTABLE QUANTITY:	<u>Component</u>	<u>% by Wt.</u>
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CA Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

Refer to Section 11 for OSHA/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

16. OTHER INFORMATION

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard(29 CFR 1910.1200).

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Additional Information</u>
Suggested NFPA ¹ Rating	2	1	0	
Suggested HMIS ¹ Rating	2	1	0	

Reason for revision: Updated format Supersedes MSDS Dated: June 13, 2002

The information and recommendations contained herein are to the best of THE BREWER COMPANY'S knowledge and belief, accurate and reliable as of the date issued. THE BREWER COMPANY does not warrant or guarantee their accuracy or reliability, and THE BREWER COMPANY shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the users responsibility to make certain that it is relying upon the most recent, updated, information and recommendations available from THE BREWER COMPANY.

The Environmental Information included, as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings, have been included by THE BREWER COMPANY in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with THE BREWER COMPANY'S interpretation of the available data.

For Other Product Information Contact:

The Brewer Company
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Milford, OH 45150

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FAX: 513/576-1414