



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **BREWER AE**
Item Number: **16020** Date: **February 22, 2007**
Chemical Name: **Asphalt Emulsion Pavement Sealer**
Common Products: Not applicable
Company Information: The Brewer Company
1354 U.S. Hwy. 50
Milford, OH 45150
Emergency Phone: CHEMTREC 800-424-9300 24 HOURS
General Information 800-394-0047

2. COMPOSITION/ INFORMATION ON INGREDIENTS*

<u>Component</u>	<u>CAS NO.</u>	<u>% by Weight</u>
Water	7732-18-5	50 ± 2
Petroleum Asphalt	8052-42-4	31 ± 2
Hydrous Aluminum Silicate	1332-58-7	21 ± 2
Carbon Black	1333-86-4	2 ± 1
1,2 Benzisothiazolin-3-one	2634-33-5	< 0.05

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.

Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list.

* SEE SECTION 8 FOR AIRBORNE EXPOSURE LIMITS

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance and odor: A dark brown to black thick liquid consistency asphalt emulsion pavement sealer with a slight petroleum hydrocarbon odor.

WARNING STATEMENTS: Harmful if swallowed. May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS:

Likely Routes of Exposure:

EYE CONTACT: Conjunctivitis, irritation, tearing.
SKIN CONTACT: Irritation or inflammation. Allergic skin reactions may occur.
INHALATION: Not expected to be an inhalation hazard during normal use.
INGESTION: Considered unlikely route of exposure during normal use.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES: If eye contact occurs, flush with fresh, potable water for at least 15 minutes and **SEEK MEDICAL ATTENTION.**
IF ON SKIN: If contact occurs, wash affected area with waterless hand cleaner. Remove contaminated clothing/shoes and do not reuse until thoroughly laundered. If irritation persists, **SEEK MEDICAL ATTENTION.**

IF INHALED: No irritation hazard in normal use. **AVOID BREATHING VAPORS OR MISTS.**
IF SWALLOWED: If ingested, DO NOT INDUCE VOMITING. Give water or clear liquids. **Consult local Poison Control Center, IMMEDIATELY!**

5. FIRE FIGHTING MEASURES

FLASH POINT: Water-based, not applicable. Will not burn until cured.
HAZARDOUS PRODUCTS OF COMBUSTIONS: CO, CO₂ and sulfur dioxide
EXTINGUISHING MEDIA: Foam, CO₂ or dry chemical extinguishers
UNUSUAL FIRE AND EXPLOSION HAZARDS: Stable. 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: Wear 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. **DO NOT FREEZE.**

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:

OSHA PEL

ACGIH TLV

Petroleum asphalt

No STEL recommended

0.5 mg/m³

1,2 Benzisothiazolin-3-one

None Established

None Established

The Carbon Black, Quartz and Hydrous Aluminum Silicate contained in this product are encapsulated by the resin and do not present a respirable hazard in normal use of the product.

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 thick liquid consistency asphalt emulsion pavement sealer.

ODOR: Mild hydrocarbon odor

pH:	7.0 – 10.0
MELTING POINT (°F):	Not applicable
DENSITY (lb/gal):	Approximately 10.0
SOLUBILITY IN WATER:	An emulsion, disperses in water
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 released 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:	None Known
Section 313 Toxic Chemical(s):	None in excess of the de minimis amounts

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: Component % by Wt.

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	1	0	0	
Suggested HMIS ¹ Rating	1	0	0	

Reason for revision: Not Applicable Initial Issue Supersedes MSDS Dated: Not Applicable

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:

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Milford, OH 45150

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