



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Pavement Sealer**
Item Number: **15000 Series** Date: **December 3, 2002**
Chemical Name: **Refined coal tar, inorganic filler and water emulsion**
Comparable Products: 15010, 15020, 15030, 15205, 15225, 15225J, 15227, 15245
Company Information: The Brewer Company
1354 US Hwy 50
Milford, OH 45150

Emergency Phone: CHEMTREC 800-424-9300 24 HOURS
General Information 800-394-0017

2. COMPOSITION/ INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS NO.</u>	<u>% by Weight</u>
Refined Coal Tar Pitch	65996-93-2	35 ± 5
Water	7732-18-5	50 ± 5
Hydrous Aluminum Silicate	1332-58-7	30 ± 5
Additives	Proprietary	1 ± 0.5

Note: The above components and their percentages are provided for health and safety purposes, ONLY. This document 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: Dark brown to black, thick consistency liquid with an aromatic odor.

WARNING STATEMENTS:

Skin and eye irritant. Harmful or fatal if swallowed. Carcinogen.

POTENTIAL HEALTH EFFECTS:

Likely Routes of Exposure:

EYE CONTACT:

Coal tar - volatiles and mist may cause irritation to the eyes. Eye contact with product will result in irritation, which in the absence of recommended first aid, can result in minor burns to eyes.

SKIN CONTACT:

Coal tar - exposure causes skin irritation characterized by skin itching, burning, swelling, and redness. Photosensitization of the skin may occur. This irritation has a burning sensation somewhat like sunburn and is accentuated by sunlight. Repeated or prolonged contact may contribute to conditions such as dermatitis, tar warts, and rough skin.

INHALATION:

Coal tar volatiles - acute effects caused from overexposure may include coughing, sneezing, and swollen or irritated nasal mucus and sinuses. Repeated and/or prolonged contact to high concentrations may result in toxic effects, such as respiratory difficulties, convulsions, and possible cardiovascular collapse may occur.

INGESTION:

Coal tar - may cause gastrointestinal tract irritation followed by nausea and vomiting, abdominal discomfort, rapid pulse, etc. In extreme cases, cardiovascular collapse may occur.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES:	If eye contact occurs, flush with water or mineral oil for at least 15 minutes and SEEK MEDICAL ATTENTION . Inorganic particulates; quartz, etc., may cause mechanical irritation.
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:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or oxygen as needed. SEEK MEDICAL ATTENTION .
IF INGESTED:	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:	H ₂ S, CO, CO ₂ , SOX and PAH's
EXTINGUISHING MEDIA:	Foam CO ₂ 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: 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. Use of protective creams and sunscreen agents are recommended. Protective or "barrier creams" form a film that acts both as a chemical and physical "barrier" between the skin and the contaminant and tends to resist penetration of the contaminant into the pores of the skin. In applying "barrier" creams, be sure the skin is clean and dry. Sunscreen agents filter out most of the ultra-violet rays from the sun.

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator when TLV is exceeded.

VENTILATION: Maintain positive flow of fresh air.

AIRBORNE EXPOSURE LIMITS:	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Coal Tar (coal tar pitch volatiles)	0.2 mg/m ³ as 8-hr TWA	0.2 mg/m ³ as 8-hr TWA

Note: All pigments, fillers, fibers and extenders in this product are totally encapsulated and do not pose a respirable dust hazard during installation and use of this 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, complex mixture
APPEARANCE:	Dark brown, thick consistency
ODOR:	Aromatic odor similar to "moth balls"
pH:	Approximately 6.0 – 8.0
MELTING POINT (°F):	Not applicable
DENSITY (lb./gal):	Greater than 8.4
SOLUBILITY IN WATER:	Insoluble but miscible with water

NOTE: *These physical data 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 , SOX and PAH's
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

Note: *Coal tar pitch volatiles, soots, tars and oils are listed as a carcinogenic category by OSHA, ACGIH, the National Toxicological Program (NTP) and the international Agency for Research on Cancer (IARC). Prolonged or repeated contact may lead to dermatitis; and with poor hygienic practices, to more serious skin disorders such as ulcerations, benign skin growths and skin cancer.*

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): Yes

CERCLA REPORTABLE QUANTITY:	Component	% by Wt.
	Naphthalene	< 0.1%
	Phenanthrene	Approx 1.3%
	PAC (polycyclic aromatic compounds)	< 0.1%

CA Proposition 65 Warning: This product contains 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	3	0	0	
Suggested HMIS ¹ Rating	3	0	0	

Reason for revision: Updated format Supersedes MSDS Dated: January 12, 2000

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
1354 US Hwy. 50
Milford, OH 45150

TELEPHONE: 513/576-6300

FAX: 513/576-1414