



MATERIAL SAFETY DATA SHEET

5000 WB & QuickSeal WB Waterproofing Membrane

1. Product And Company Identification

Supplier Mar-flex Waterproofing & Building Products 500 Business Parkway Carlisle, OH 45005 USA Telephone Number: 513-422-7285 FAX Number: 513-422-7282 E-Mail: info@mar-flex.com Web Site: www.mar-flex.com	Manufacturer Mar-flex Waterproofing & Building Products 500 Business Parkway Carlisle, OH 45005 USA Telephone Number: 513-422-7285 FAX Number: 513-422-7282 E-Mail: info@mar-flex.com Web Site: www.mar-flex.com
Supplier Emergency Contacts & Phone Number Chem-Trec: 1-800-424-9300	Manufacturer Emergency Contacts & Phone Number Chem-Trec: 1-800-424-9300

Issue Date: 12/21/2011

Product Name: 5000 WB & QuickSeal WB Waterproofing Membrane

Chemical Name: Emulsified Asphalt

CAS Number: Not Established

Chemical Formula: Mixture

MSDS Number: 153

Product Code: BGW-36133, -36134, -36139, -36152, -36154, -36153, -36159

Product/Material Uses - Emulsion air/vapor membrane.

Product Identification Text - 5 Gallon Bucket, 55 Gallon Drum, 330 Gallon Tote & Bulk

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
BIOCIDE	PROPRIETA	<	0.5
EMULSIFIER	PROPRIETA	<	4
PETROLEUM ASPHALT	8052-42-4		40 - 65
PETROLEUM DISTILLATES, N.O.S.	PROPRIETA	<	10
POLYMER MODIFIER	PROPRIETA	<	20
THIXATROPE	PROPRIETA	<	1
WATER	7732-18-5		20 - 45

EMERGENCY OVERVIEW

Asphalt is liquid at 150 to 200 degrees F and skin contact will cause thermal burns. When heated this material may vent toxic levels of Hydrogen Sulfide (H₂S) vapors that accumulate in the vapor spaces of storage and transport compartments. H₂S can cause eye, skin and respiratory tract irritation and asphyxiation. Avoid skin contact. Repeated and long term skin exposure to components of this product has caused cancer in laboratory animals. This product is neither a flammable nor a combustible material per OSHA Hazard Communication Standard but will burn when heated to extremely high temperatures.

3. Hazards Identification

Primary Routes(s) Of Entry - Inhalation, skin contact, eye contact & ingestion.

Eye Hazards - Hot product can cause severe burns.

Skin Hazards - Hot product can cause severe burns. Frequent and prolonged contact with cold material may cause irritation.

Ingestion Hazards - Product would be expected to have a low order of acute toxicity.



MATERIAL SAFETY DATA SHEET

5000 WB & QuickSeal WB Waterproofing Membrane

3. Hazards Identification - Continued

Inhalation Hazards - Deliberate or direct ingestion of vapor or spray or mist may be harmful or fatal.

Conditions Aggravated By Exposure - Pre-existing skin, eye or respiratory disorders may be aggravated by exposure to components of this product.

First Aid (Pictograms)



4. First Aid Measures

Eye - For contact with hot asphalt, flush with large amounts of tepid water for at least 15 minutes. Immediately call a physician.

For contact with vapors or dust, flush with large amounts of tepid water for at least 15 minutes. If symptoms or irritation occur, call a physician.

Skin - For contact with hot product, immerse or flush skin with cold water for at least 15 minutes. Call a physician. Do not attempt to remove solidified material since removal may cause further tissue injury. Cold material over a burn should not be removed except by a physician. Remove cold material (not associated to a burn) with a waterless hand cleaner and then wash with soap and water. If symptoms or irritation occur, call a physician.

Ingestion - Not likely. If large amounts are swallowed, immediately call a physician. Perform gastric lavage in accordance with procedures for ingestion of petroleum products.

Inhalation - If affected, move person to fresh air. If breathing is difficult, administer oxygen. If not breathing or no heartbeat, administer artificial respiration or CPR. Immediately call a physician. If symptoms or irritation occur with any exposure, call a physician.

Note To Physician - Recommended practice is to not attempt to remove hot material associated with a burn. Allow the solidified material to remain in place until cooled so it can naturally fall off. Natural separation will occur in 48-72 hours. If removal is attempted, mineral oil may be used to remove asphalt once it has cooled. For best results, work it into the skin around the material and allow the material to "float" off.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: >200 °F

Autoignition Point: No data °F

Lower Explosive Limit: 1.0

Upper Explosive Limit: 6.0

Fire And Explosion Hazards - This product is neither a flammable nor combustible material, but will burn when heated to extremely high temperatures.

Extinguishing Media - **For small fires:** Class B fire extinguishing media such as CO₂, dry chemical, foam or water spray can be used.

For large fires: Water spray, fog or foam can be used.

Fire Fighting Instructions - In a substance fire, use self-contained breathing apparatus. DO NOT DIRECT WATER ON SUBSTANCE. Treat as a fuel oil fire. Water spray and foam must be applied carefully to avoid frothing and from as far a distance as possible. Water may be used to cool closed containers. Avoid excessive water spray application. Keep run-off water out of sewers and water sources.



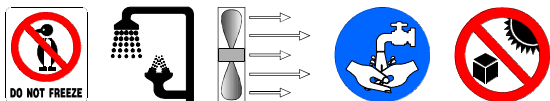
MATERIAL SAFETY DATA SHEET

5000 WB & QuickSeal WB Waterproofing Membrane

6. Accidental Release Measures

Use appropriate safety equipment. Shut off source if safe to do so. Prevent material from entering sewers and waterways. Ventilate area. Absorb with inert materials such as vermiculite or sand and dispose of solid waste. Advise local health and pollution control agencies if substance entered a watercourse or sewer.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling And Storage Precautions - Comply with all applicable EPA, OSHA, NFPA and consistent state and local requirements. Use appropriate grounding and bonding practices. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. Do not cut, drill, grind or weld on empty containers since they may contain explosive residue.

Handling Precautions - When opening covers and outlet caps on storage tanks, use face shield and gloves to avoid possible injury from pressurized product. Harmful concentrations of hydrogen sulfide (H₂S) gas can be generated and accumulate in storage tanks and bulk transport compartments. Stay upwind and vent open hatches before unloading. Keep heating coils and flues in storage tanks, trucks and kettles covered with product (8"). Do not over heat.

Storage Precautions - **KEEP FROM FREEZING. STORE DRUMS INDOORS, OFF THE FLOOR AT AN AMBIENT TEMPERATURE ABOVE 35 DEGREES F. IF PRODUCT FREEZES, IT WILL NOT BE USABLE AS IT WILL NOT GO BACK TO ITS NATURAL STATE.**

Store in properly closed containers that are appropriately labeled and in a well-ventilated area.

Work/Hygienic Practices - Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding any unnecessary exposure and removal of the material from the skin, eyes, and clothing. Wash hands and arms frequently. Shower after exposure. Wash work clothes when soiled. Safety showers and eye wash stations should be available.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls - **Ventilation:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Eye/Face Protection - Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses. Consult your safety representative.

Skin Protection - Wear insulated gloves when handling hot material. To prevent repeated and prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection - **NIOSH/MSHA VAPOR AND DUST RESPIRATOR IS REQUIRED.**

Ingredient(s) - Exposure Limits

PETROLEUM ASPHALT

OSHA - PEL * N/E ; ACGIH - TLV 5 mg/m³, 8-hr. TWA

Wear long sleeve shirt and long pants. Leather or lined neoprene coated gloves should be used when there could be direct contact. Sunscreens may decrease potential for skin discoloration with chronic exposure.



MATERIAL SAFETY DATA SHEET

5000 WB & QuickSeal WB Waterproofing Membrane

9. Physical And Chemical Properties

Appearance - Black or brown liquid.

Odor - Carbon odor.

Chemical Type: Mixture

Physical State: Liquid

Melting Point: Not determined °F

Boiling Point: >212 °F

Specific Gravity: (H₂O=1) 1.0 - 1.2

Percent Volatiles: 30-50 water

Packing Density: 7.5-8.7 lbs/gal

Vapor Pressure: Negligible @ 77 F

Vapor Density: (

Solubility: Negligible

10. Stability And Reactivity

Stability: Product is stable.

Hazardous Polymerization: Will not occur.

Conditions To Avoid (Stability) - Excessive heat, sources of ignition, open flames.

Incompatible Materials - Strong oxidizers such as nitrates, chlorates, peroxides.

Hazardous Decomposition Products - Combustion produces toxic oxides of sulfur, carbon monoxide, sulfur dioxide, hydrogen sulfide and hydrocarbons.

11. Toxicological Information

This product contains a toxicologically significant concentration of hydrogen sulfide (H₂S). Hydrogen sulfide gas (H₂O) is toxic by inhalation. Prolonged breathing of 50-100 ppm H₂S vapors can produce eye and respiratory tract irritation. Higher concentrations (250-600 ppm) for 15-30 minutes can produce headache, dizziness, nervousness, nausea and pulmonary edema or bronchial pneumonia. Concentrations of >1000 ppm will cause immediate unconsciousness and death through respiratory paralysis. Rats and mice exposed to 80 ppm H₂S, 6 hrs/day, 5 days/week for 10 weeks, did not produce any toxicity except for irritation of nasal passages. H₂S did not affect reproduction and development (birth defects or neurotoxicity) in rats exposed to concentrations of 75-80 ppm or 150 ppm H₂S, respectively. Over the years a number of acute cases of H₂S poisoning have been reported. Complete and rapid recovery is the general rule. However, if the exposure was sufficiently intense and sustained causing cerebral hypoxia (lack of oxygen to the brain), neurologic effects such as amnesia, intension tremors or brain damage are possible.

12. Ecological Information

Ecotoxicological Information - If spilled, hot product and/or the coating action of the oil components could harm plant life. This product does not concentrate or accumulate in the food chain. This product is not expected to cause any acute or chronic toxicity to aquatic organisms due to its extremely low water solubility.

13. Disposal Considerations

Dispose in accordance with applicable local, state and federal regulations.

RCRA Information - This material as supplied and by itself, when discarded or disposed of, is not an EPA RCRA hazardous waste.

14. Transport Information

Proper Shipping Name - Non-Regulated Water Based Emulsified Asphalt



MATERIAL SAFETY DATA SHEET

5000 WB & QuickSeal WB Waterproofing Membrane

14. Transport Information - Continued

DOT Shipping Label

Drums, Water Based Emulsified Asphalt (I-15220)

Freight Class

55

Packaging Exceptions

Bulk, Package Water Based Emulsified Asphalt Liquid Per 49 CFR 172.101

PROTECT FROM FREEZING. PRODUCT WILL FREEZE AT 32 DEGREES F. DO NOT ALLOW TO SIT ON DOCKS. DO NOT SHIP IN AN UNHEATED TRAILER. DO NOT SIT CONTAINERS OF PRODUCT DIRECTLY ON THE FLOOR. PRODUCT DOES NOT FOLLOW A NORMAL FREEZE THAW CYCLE. IF FREEZING OCCURS PRODUCT BECOMES UNUSABLE.

15. Regulatory Information

State Regulations - CAS#8052-42-4 Rhode Island Toxic, Flammable

<u>NFPA</u>	<u>HMIS</u>
	HEALTH 1
	FLAMMABILITY 1
	REACTIVITY 1
	PERSONAL PROTECTION G

16. Other Information

Revision/Preparer Information

This MSDS Supercedes A Previous MSDS Dated: 02/18/2009

Disclaimer

The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product.

Mar-flex Waterproofing & Building Products makes no warranties, express or implied and assumes no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

Mar-flex Building Solutions

Printed Using MSDS Generator™ 2000