



H.M.I.S. RATING	
Health	2
Flammability	1
Reactivity	0
Protective Equip.	E

Material Safety Data Sheet – OSHA 174

Material Safety Data Sheet

May be used to comply with OSHA's Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form) Form Approved OMB No. 1218-0072

LMCQS for Chip Seal Asphalt Emulsion

SECTION I - Manufacturer / Product Information

Manufacturer's Name: SealMaster Hawaii	Emergency Telephone No.: Chemtrec: 1-800-424-9300
Address: 2927 Mokumoa Street Honolulu, HI 96819-4404	Telephone Number for Information: 1-808-839-2782
	Date Prepared: November 4, 2011

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Asphalt	8052-42-4	N/A	5 mg/m3		
Proprietary Latex	Trade Secret	N/A	N/A		
Proprietary Water Mixture	Mixture	N/A	N/A		

SECTION III - Physical / Chemical Characteristics

Boiling Point: >100° Celsius (212° Fahrenheit)	Specific Gravity (H₂O = 1): 1.01
Vapor Pressure (mm Hg): Nearly equal to water.	Melting Point: N/A
Vapor Density (AIR = 1): <1	% Volatile: <2%
Solubility in Water: Easily dispersible in the liquid state.	Evaporation Rate: <1
Appearance and Odor: Black liquid, mild asphaltic odor.	

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 400°F (204°C)	LEL: N/A	Flammability
Auto Ignition Temperature: >700°F (>370°C)	UEL: N/A	Classification: Class IIIB
Extinguishing Media: Foam, CO ₂ , dry chemical, water fog, other.		
Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.		
Unusual Fire and Explosion Hazards: N/A		

SECTION V - Reactivity Data

Stability: Unstable: Stable: X	Conditions to Avoid: Keep from freezing and extreme heat.
Incompatibility (Materials to Avoid): Strong oxidizers; Anionic emulsions.	
Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.	
Hazardous Polymerization:	May Occur: Will Not Occur: X Conditions to Avoid: N/A

SECTION IX - Ecological Data

Ecotoxicity: No Data

Environmental Fate:

Environmental Transport: No Data

Environmental Degradation: No Data

Soil Absorption/Mobility: No Data

SECTION X - Transportation Data

Shipping Name: Asphalt Emulsion
Not Regulated

Shipping Symbols: N/A

Hazard Class: N/A

Packaging Authorizations:

a) Exceptions: N/A

b) Non-bulk Packaging: N/A

c) Bulk Packaging: N/A

Quantity Limitations:

a) Passenger, Aircraft, or

Railcar: N/A

b) Cargo Aircraft Only: N/A

ID No.: N/A

Packaging Group: N/A

Label: N/A

Special Provisions (172.102): N/A

Vessel Stowage Requirements:

a) Vessel Stowage: N/A

b) Other: N/A

SECTION XI - Regulatory Data

EPA Regulations:

RCRA

RCRA Hazardous Waste Number: Not listed.

RCRA Hazardous Waste Classification (40 CFR 261): This material should not be hazardous due to characteristics.

CERCLA

CERCLA: Not listed.

CERCLA Reportable Quantity (RQ): This material is not a listed hazardous substance and does not have a reportable quantity. However, if spilled into waters of the U.S., it may be reportable under the Clean Water Act.

SARA

SARA 311/312 Codes: Not Listed.

SARA Toxic Chemical: Not Listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

OSHA Regulations

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): See Table in Section 2.

OSHA Specifically Regulated Substance: No

State Regulations: Listed in state hazardous substance list for CA and MN as Asphalt (petroleum fumes); FL, MA, NJ as Asphalt fumes; and PA as Asphalt.

Additional Hazard Rating Systems: NAS Hazard Rating for Bulk Water Transportation of Asphalt:

Fire – 1, Health – 2, Water Pollution – 1, Reactivity – 0.

SECTION XII - Disclaimer

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the effect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.