



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

## CQS for Chip Seal Asphalt Emulsion

### SECTION I - Manufacturer / Product Information

<b>Manufacturer's Name:</b> SealMaster Hawaii	<b>Emergency Telephone No.:</b> Chemtrec: 1-800-424-9300
<b>Address:</b> 2927 Mokumoa Street Honolulu, HI 96819-4404	<b>Telephone Number for Information:</b> 1-808-839-2782
	<b>Date Prepared:</b> 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/m <sup>3</sup>		
Proprietary Water Mixture	Mixture	N/A	N/A		

### SECTION III - Physical / Chemical Characteristics

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

### SECTION IV - Fire and Explosion Hazard Data

<b>Flash Point (Method Used):</b> 400°F (204°C)	<b>LEL:</b> N/A	<b>Flammability</b>
<b>Auto Ignition Temperature:</b> >700°F (>370°C)	<b>UEL:</b> N/A	<b>Classification:</b> Class IIIB
<b>Extinguishing Media:</b> Foam, CO <sub>2</sub> , dry chemical, water fog, other.		
<b>Special Fire Fighting Procedures:</b> 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.		
<b>Unusual Fire and Explosion Hazards:</b> N/A		

### SECTION V - Reactivity Data

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