

MATERIAL SAFETY DATA SHEET

Product: **CMS-2**

Manufacturer: SEACO, Inc.
2700 William Tuller Drive
Columbia, S.C. 29205

Emergency Telephone Numbers:

803-799-5335
800-729-5335

Synonyms: cationic medium setting mixing grade asphalt emulsion

Section II - Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity):

Common Name	CAS Number	OSHA PEL	ACGIH TLV	Concentrations (%) Recommended (Optional)
Asphalt	8052-42-4	ND	5 MG/M3 (asphalt fumes)	63-75
Petroleum distillates	#2 oil 68476-30-2	400 ppm (8 hrs)	ND	0-10
Emulsifiers	Proprietary	ND	ND	0-4
Surfactants	Proprietary	ND	ND	0-4
Water	7732-18-5	ND	ND	Balance

TLV for asphalt relates to the fume given off when asphalt is heated.

Additives are not considered hazardous as contained in this product.

Section III - Physical/Chemical Characteristics

Boiling Point	212F (100C)	Specific Gravity (water=1)	0.9 - 1.1
Vapor Pressure (mm Hg)	same as water	Melting Point	NA
Vapor Density (Air=1)	ND	Evaporation Rate	ND
Solubility in Water	Soluble		
Appearance and Odor	Brown, viscous liquid with characteristic asphalt odor		

Section IV - Fire and Explosion Data

Flash Point Greater than 212F for the product with water vapor in the atmosphere.
In normal use in an open environment, the product will not support combustion.
In a closed environment, with water driven off, will burn like oil.

	ND	LEL	ND	UEL	ND
Autoignition Temperature	ND				
Extinguishing Media	Foam, carbon dioxide, dry chemical, water sponge				
Special Firefighting Procedures	None				
Unusual Fire and Explosion Hazards	None				

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	Conditions to avoid
Incompatibility (Materials to Avoid)		Strong oxidizers and acids
Hazardous Decomposition or Byproducts		ND
Hazardous Polymerization	May occur	Conditions to Avoid
	Will not occur	Conditions to Avoid

ND=no data available

NA=not applicable

Section VI - Health Hazard Data

Routes of Entry	Inhalation?	Skin?	Ingestion?	Eyes?
		X	X	X
Health Hazards (Acute and Chronic)	ND			
Signs and Symptoms of Exposure	Prolonged or repeated contact may cause skin irritation			
Medical Conditions Generally Aggravated by Exposure	ND			

Emergency and First Aid Procedures

EYES	Gently flush with large amounts of water. Call a physician immediately.
SKIN	Remove asphalt with waterless hand cleaner and wash with soap and warm water. If irritation occurs, consult a physician.
INHALATION	Remove victim from exposure. Call a physician immediately.
INGESTION	If large amounts are swallowed, do not induce vomiting. Call a physician immediately.

Section VII - Precautions for safe handling and use

Steps to be taken in case material is released or spilled

Recover free product. Add adsorbent (sand, earth, sawdust, etc.) to spill. Hot product will solidify when cooled. Keep petroleum products out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers or watercourses.

Waste Disposal Method

Assure conformity with local and federal governmental regulations for disposal. Recovered material may be blended with aggregate and used for patching or other maintenance use.

Precautions to be taken in handling and storing

Do not handle or store near heat, sparks, flame or strong acids or oxidizers.

Section VIII - Control Measures

Respiratory protection (Specify type)	Not required under normal conditions and adequate ventilation			
Ventilation	Local Exhaust	NA	Special	NA
	Mechanical (General)	NA	Other	NA
Protective Gloves	Insulated gloves for hot asphalt. Cloth gloves acceptable for cold asphalt.			
Eye Protection	Safety glasses with side shields.			
Other protective clothing or equipment	Standard work clothing with long sleeve shirts.			
Work/Hygienic Practices	Practice safe working habits			
ND=no data available	NA=not applicable			

INFORMATION SUPPLIED BY:Tim Owings
revised format

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EMERGENCY PHONE NO.

800-729-5335 or 803-799-5335

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