

# DISSCO

## MATERIAL SAFETY DATA SHEET

### CSS1h

### ASPHALT EMULSION

Denver Industrial Sales & Service Company  
850 South Lipan Street  
Denver, CO 80223

#### I. PRODUCT IDENTIFICATION

Product name:	CSS1h, CSS1h Tack, Tack Coat	<b>HMIS - Hazard Rating</b>
Chemical name:	Asphalt Emulsion	Health 2
Chemical Family:	Cationic Asphalt Emulsion	Fire 1
		Reactivity 0
ASNI:	Caution! May cause eye and skin irritation	
DOT Hazard Class:	Asphalt Emulsion, Non Regulated	

#### II. HAZARDOUS CONSTITUENTS

Chemical	CAS No.	Percent	TLV	PEL
Petroleum asphalt	8052-42-4	40 - 70	5 mg/m <sup>3</sup>	None Established (N/E)
Water	7732-18-5	30 - 60	N/E	N/E
Emulsifier	Proprietary	0 - 3	N/E	N/E
Hydrogen Sulfide	7783-06-4	<0.1	10 ppm TWA	20 ppm

#### III. PHYSICAL DATA

Boiling Point:	212°F	Melting Point:	Not applicable
Vapor pressure:	23.76 @ 25°C	Vapor density:	.995
H <sub>2</sub> O solubility:	Insoluble	Specific gravity:	.99 - 1.02
Viscosity:	10 - 700 @ 140 F	% volatiles by volume	0 - 10
Appear. & Color	Black liquid with petroleum odor.		

#### IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used):	None determined
Explosive limits:	None determined
Auto ignition temp:	None determined
Extinguishing media:	Dry chemical, carbon dioxide, AFFF foam
Hazardous decomposition products:	Carbon monoxide and carbon dioxide.
Fire fighting procedures:	Self-contained breathing apparatus with full-face piece in positive pressure mode.
Fire & explosion hazards:	Product will burn when exposed to any ignition source.

#### V. HEALTH HAZARD INFORMATION

##### Health Hazard Data

TLV:	None established
PEL:	None established

##### Effects of Overexposure

Inhalation:	Vapor or fumes may cause respiratory irritation, nausea, dizziness, and headache.
Skin contact:	Mild irritation. Repeated or prolonged contact can cause dry scaly dermatitis.
Eye contact:	Irritation.
Ingestion:	Stomach irritation, nausea, and vomiting.

##### Emergency First Aid Procedures

Eyes:	Flush with large amounts of water while holding eyelids open. Seek medical attention if irritation persists.
Skin:	Wash with solvent or diesel fuel, followed by waterless hand cleaner and soap and water.
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen and or artificial respiration and get medical attention.
Ingestion:	Give liquids and INDUCE VOMITING. Call a physician.

#### VI. REACTIVITY DATA

Stability of compound:	Stable
Hazardous polymerization:	Will not occur.
Incompatibility:	Avoid contact with strong oxidizers.

#### VII. SPILL OR LEAK PROCEDURES

If material is spilled:	Contain spilled material with sand, floor dry, aggregate fines or absorbent. Pump liquid into container or Storage vessel. Soak up residue with absorbent and scoop up contaminated absorbent and diking materials and Place into containers for disposal.
Waste disposal method:	Recovered materials may be blended with aggregate and used for patching or other maintenance needs. Other waste should be disposed of according to local, state, and federal regulations.

## VIII. SPECIAL PROTECTION INFORMATION

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Ventilation requirements:	Normal ventilation is generally adequate.
Respiratory equipment:	If handled in a confined area, wear a NIOSH approved respirator with organic vapor cartridges if other Controls are not effective.
Gloves:	Impervious gloves such as neoprene or vinyl.
Eye:	Wear chemical safety goggles if splashing may occur.
Other:	Wear a protective apron if splashing or repeated contact is likely.

## IX. SPECIAL PRECAUTIONS

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Do not take internally.  
Product will freeze; do leave outside when temperature drops below 40°F (4°C)  
Do not store in excess of 160°F  
May be stored outdoors when ambient temperature is above 40°F.  
For professional use only.  
Wash hands thoroughly after handling.

CSS1h is a Cationic, Slow Setting Emulsified bituminous product containing petroleum asphalt, additives and water. Fumes from the petroleum products can cause varying degrees of nervous system depression if overexposure occurs. These effects are similar to alcohol intoxication and can range from drowsiness, nausea, dizziness, numbness in the extremities, and unconsciousness. These symptoms are reversible when exposure is terminated.

“To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used Safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MEAD HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.”

N/E = None established

N/A = Not applicable

For additional information, contact DISSCO at (303) 935-2485.

**IN CASE OF EMERGENCY CONTACT – INFOTRAC @ 1-800-535-5053**

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