

# MATERIAL SAFETY DATA SHEET

MSDS No. SSE-CRS-092509



Manufacturer/Distributor  
S&S Emulsions  
P.O. Box 66  
1731 Old SR 7  
Rayland, Ohio 43943



## Supplier Emergency Contacts & Phone Number

Chemtrec: (800) 424-9300, 24 hour  
S&S Emulsions: (740) 859-2131, 8-5, M-F, EST

## Manufacturer Emergency Contacts & Phone Number

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**Trade Name:** CRS-2, E-3

**CAS Number:** mixture

### Synonyms

Cationic asphalt emulsion

## 2. Hazardous Components

Ingredient Name	CAS Number	Percent	TLV
Asphalt	8052-42-4	> 60%	5 MG / M3 *
Petroleum distillate	68476-30-2	0 – 5%	ND
Water	7732-15-5	25 – 35%	ND
Emulsifier	Proprietary	< 4%	ND

\* = as fumes

## 3. Physical Data

Property	Refinement	Measurement
Boiling Point	For Product	212°F / 100°C
Vapor Pressure	For Product	23.756 mmHg / 77°F
Vapor Density		ND
Percent Volatile		ND
Evaporation Rate		ND
Appearance		Brown
State		Liquid
Specific Gravity		1.009
Solubility in Water		Dispersible

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<b>4. Fire &amp; Explosion Data</b>	
Flash Point	212°F / 100°C
Lower Explosive Limit	NOT APPLICABLE
Upper Explosive Limit	NOT APPLICABLE
Extinguishing Media	Regular Foam, Carbon Dioxide or Dry Chemical
Hazardous Decomposition	May form toxic materials such as Carbon Dioxide, Carbon Monoxide and various Hydrocarbons
Fire Fighting Procedures	Wear self contained breathing apparatus with full face piece operated by pressure demand or other positive pressure mode.
Unusual Fire and Explosion Data	Never use welding or cutting torch on or near drums containing the product. May explode, vapor spreads easily. May ignite, fire hazard increases when temperature rises > 85°F
<b>5. Health and Hazard Data</b>	
Route of entry: Inhalation	Yes
Route of entry: Skin	Yes
Route of entry: Ingestion	Yes
Carcinogenicity – NTP	No
Carcinogenicity – IARC	No
Carcinogenicity – OSHA	No
Explanation Carcinogenicity	NK
<b>Over Exposure Effects:</b>	
Eyes	Can cause moderate irritation, redness and tearing.
Inhalation	Fumes can cause damage to nasal and respiratory passages.
Ingestion	Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Skin	Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.
<b>First Aid</b>	
Eyes	Flush with large amounts of water, lifting upper and lower lids. Remove contact lenses, if worn. Get medical attention.
Inhalation	Remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep individual warm and quiet and get medical attention.
Ingestion	Immediately drink 16 ounces of water. Do not induce vomiting unless advised by a physician. Get medical attention.
Skin	Remove contaminated clothing. Wash skin and clothing with soap and water.
<b>6. Reactivity Data</b>	
Hazardous Polymerization	Can Not Occur
Stability	Stable
Incompatibility	Avoid contact with strong oxidizing agents.

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<b>7. Spill or Leak Procedures</b>	
Small Spill	Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material. Transfer material to a disposal container and dispose of in accordance with Local, State and Federal regulations.
Large Spill	Prevent run off to sewers, streams or other bodies of water. If run off occurs, immediately notify all proper authorities and agencies as required. Persons not wearing protective equipment should be excluded from the spill area until clean up is completed. Material may be taken up with sand, earth, floor absorbent or other absorbent material. Shovel into containers and dispose of in accordance with Local, State and Federal regulations.
<b>8. Protective Equipment</b>	
Respiratory Protection	If the TLV of a product or any component is exceeded, a NIOSH / MSHA jointly approved air supply respirator is advised in the absence of proper environment control. OSHA regulations also permit other NIOSH / MSHA respirators under specific conditions. Engineering or administrative controls should be implemented to reduce exposure.
Ventilation	Provide sufficient mechanical (general and / or local exhaust) ventilation to maintain exposure below TLV(s).
Protective Clothing	To prevent repeated or prolonged skin contact, wear resistant gloves such as neoprene coated and impervious boots.
Eye Protection	Chemical splash goggles in accordance with OSHA regulations are advised. However, OSHA regulations also permit other types of safety glasses. Contact your safety equipment supplier.
<b>9. Handling and Storage</b>	
<p>Containers of this material may be hazardous when empty. Empty containers retain product residue (vapor, liquid and / or solid) and all hazard precautions given in this data sheet must be observed.</p> <p>Do not use pressure to empty drum, or explosion may result.</p> <p>Keep containers closed.</p> <p>The information contained in this MSDS is believed to be accurate as of the time that this document was prepared. 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(s) 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.</p> <p>NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.</p>	

**NFPA CODES; Health – 0 Flammability – 1 Reactivity – 0**