

# DISSCO

## MATERIAL SAFETY DATA SHEET

### RS-90

### ASPHALT SEALER/BINDER

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

#### I. PRODUCT IDENTIFICATION

Product name:	<b>RS-90 Asphalt Sealer/Binder</b>	<b>Hazard Rating</b>	
Chemical name:	Asphalt Cutback	Health	1
Chemical Family:	Petroleum Hydrocarbon	Fire	3
		Reactivity	0
ASNI:	Caution! May cause eye and skin irritation		
DOT Hazard Class:	Tars, Liquid, 3, UN1999, PG II		

#### II. HAZARDOUS CONSTITUENTS

Chemical	CAS No.	Percent	TLV	PEL
Petroleum asphalt	8052-42-4	40 – 60	5 mg/m3	None established
Petroleum naphtha	8008-20-9	40 – 60	N/E	500 ppm
Additives	N/A	.5 – 2.0	N/E	None established
Aliphatic polyminos	*			

\*Confidential; Product composition is a trade secret.

#### III. PHYSICAL DATA

Boiling Point:	250 - 260° F	Melting Point:	Not applicable
Vapor pressure:	29.8 @ 20 C	Vapor density:	.995
H2O solubility:	Insoluble	Specific gravity:	.85 - .88
Viscosity:	160 - 250 cp @ 77° F	% volatiles by volume	40 - 60
Appear. & Color	Black liquid with petroleum solvent odor.		

#### IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used):	58° F Closed Cup
Explosive limits:	None determined
Autoignition 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 facepiece 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.  
Do not add water!  
Do not store in excess of 200° F  
May be stored outdoors.  
For professional use only.  
Wash thoroughly after handling.

RS-90 is a liquid asphalt cutback, rapid cure, (RC-10h), bituminous product containing petroleum asphalt and petroleum naphtha. Fumes from the petroleum naphtha 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.

Petroleum asphalt cutbacks form fumes when heated that are flammable and can be ignited by any ignition source. Also these fumes may cause irritation to the nose, throat, and respiratory tract.

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

“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 MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.”

N/E = None established

N/A = Not applicable

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

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