



CARBONSEAL™

MATERIAL SAFETY DATA SHEET

Section 1 Product Identification/Contact Information

Product Identity:

Generic Category: Mineral Reinforced Inorganic Polymer
Product Name(s): Carbonséal
Formula: Trade Secret

Company Address: Phoenix Asphalt
PO Box 17640
Portland, OR 97217

Emergency/Information phone: 503-289-6696

Product Uses: Asphalt and Pavement Maintenance Coatings & Adhesives

Section 2 Composition

<u>Ingredients</u>	<u>CAS#</u>	<u>Concentration</u>
Asphalt Cement	8052-42-4	18-30%
Inorganic Mineral Fillers	trade secret	40-50%
Polymer	trade secret	0-5%

Section 3 Physical & Chemical Properties

Boiling Point: 212°F
pH: 5-10
Evaporation Rate: <1
Vapor Density: <1
Solubility in Water: Soluble
Specific Gravity @ °F: 1.1-1.15
Vapor Pressure: <1
Appearance and Odor: Black liquid/slurry; odor of asphalt/hydrocarbons.

Section 4 Fire Fighting Measures

Flash Point: None
Auto ignition Temperature NFPA: None
Extinguishing Media: CO₂, Class "B" extinguisher, foam
Special Fire Fighting Procedures: Avoid breathing vapors, wear self-contained breathing apparatus.

Unusual Fire Explosion Hazards: None

Fire & Exposure Hazards: This product is not defined as flammable or combustible.

Hazard Rate (NFPA)

Health: 1
Fire: 0
Reactivity: 0
Special: 0

Hazard Rating Scale

0-Minimal 3-Serious
1-Slight 4-Severe
2-Moderate

Section 5 Reactivity

Stable: Yes

Conditions to Avoid: DO NOT HEAT ABOVE 212°F

Incompatible Materials: Avoid strong oxidizing agent or concentrated acids. Heating above 212°F could cause pressure to build up and possible rupture of a tank or vessel.

Hazardous Decomposition Products: May form CO₂, CO and sulfur dioxide.

Hazardous Polymerization: Will not occur.

Section 6 Health Hazard Data

Hazards: May cause irritation to skin and eyes when brought in contact.

Inhalation: This product is not likely to present an inhalation hazard under normal use. At elevated temperatures and in confined spaces, vapors may cause irritation of the respiratory tract.

Skin Absorption: No significant symptoms indicative of skin absorption expected.

Skin irritation: Will cause minor burns when product is hot (>125°F). May cause dermatitis and acne-like lesions with prolonged exposure.

Ingestion: Ingestion of this material can cause severe irritation of the mouth, throat, esophagus and stomach.

Eye contact: May burn and irritate.

Primary Route of Exposure: Skin and eye contact are the primary routes of exposure to this product.

Carcinogen: Not listed by NTP, IARC or OSHA

Section 7 Emergency First Aid Measures

Inhalation: Remove to fresh air. Give oxygen or artificial respiration as needed. Obtain medical attention promptly.

Eye contact: Flush eyes with low pressure water for at least 15 minutes and obtain medical attention immediately.

Skin contact: If hot product should contact skin, thermal burns can result. Immediately cool the area with cold water. It is not advisable to immediately remove product. Removal should be attempted only under the direction of a physician.

Ingestion: If ingested, do not induce vomiting, call a physician immediately.

Section 8 Exposure Limits/Exposure Controls

Chemical Name	PEL (OSHA)	REL (NIOSH)	STEL	IDLH (NIOSH)
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Asphalt Cement Fumes	5 mg/m ₃
Polymer	
Emulsifier	

Respiratory Protection: Avoid breathing vapors in confined spaces. NIOSH approved respirators may be required if exposure limits are exceeded.

Eye Protection: Use safety glasses, goggles or face shields.

Skin Protection: Use leather or rubber gloves, coveralls, and impervious footwear.

Engineering Controls: Local exhaust ventilation may be required to meet exposure standards in confined areas.

Handling Precautions: Storage tanks and trucks must be emptied, cooled, ventilated and tested for absence of vapors before allowing personnel entry.

Section 9 Accidental Release Measures

Land Spill – Stop release by making earthen dike; prevent flow from entering sewers and water ways. Allow to cool. Remove large spill. Soak up product with sand.

Waste Disposal – Handle in accordance with federal, state and local regulations.

State of California – Completely dried residue may be disposed of in sanitary landfill. Disposal material is not a RCRA hazardous waste.

Section 10 Transportation Information

Shipping Information: Not Regulated

Placard: None

Labels: None

Empty: N/A

Section 11 Special Precautions

Recommended storage temperatures are 32°F - 100°F (0-38°C).

Section 12 Miscellaneous

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believed reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness.

The conditions or methods of handling, storage, use and disposal of the products are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for these products. If the product is used in a component in another product, this MSDS information may not be applicable.

This MSDS has been prepared in accordance with the requirements of the OSHA Hazardous Communication Standard (29 CFR 1200).