



Material SAFETY DATA SHEET

Donseal HT Asphalt Plug

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Donseal HT Asphalt Plug**
Description: Hot-applied polymer modified asphaltic plug joint
Manufacturer: **DCP Saudi Co**
P.O. Box 66241, Riyadh 11576 Kingdom of Saudi Arabia
Tel. + 966 11 4612003 Fax: + 966 11 2792059
www.dcp-int.com
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2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Asphalt, fillers, rubber and additives.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Asphalt	Xn, Xi	R26, 36/37/38	8052-42-4	40 - 70

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Very toxic by inhalation.
Irritating to eyes, respiratory system and skin.
Classification: Xn, Xi. R26, 36/37/38.



4: FIRST AID MEASURES

Eyes:	If irritation or redness develops from exposure to fumes, move victim away from exposure and into fresh air. Flush eyes with clean water. If irritation or redness persists, seek medical attention. For contact with the molten material, gently open eyelids and flush affected eye(s) with cold, not icy, water. Seek immediate medical attention.
Skin:	For contact with hot asphalt, leave material on skin and immerse affected area using cold, not icy water for up to 10 minutes. DO NOT remove asphalt from skin, as underlying tissue may easily be torn away. Contaminated clothing may be removed provided it is not adhering to the skin. Keep injury cool to minimize swelling and tissue damage. Be alert for signs of shock from trauma, and hypothermia from excessive cooling of the injury. Seek immediate medical attention.
Inhalation:	If respiratory symptoms develop from exposure to fumes, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.
Ingestion:	First aid is not normally required for the solid material; however, if hot asphalt is swallowed, seek immediate medical attention.

5: FIRE FIGHTING MEASURES

Extinguishing Media:	SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO ₂ , water spray, fire fighting foam, or Halon. LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.
Personal Protective Equipment:	Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment.
Special Exposure Hazards:	Vapors may form explosive mixture with air. Flammable vapor production at ambient temperature in the open is expected to be minimal unless the oil is heated above its flash point. When heated above flash point and mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back.



6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	ACTIVATE FACILITY'S SPILL CONTINGENCY OR EMERGENCY RESPONSE PLAN. Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Response and cleanup crews must be properly trained and must utilize proper protective equipment.
Environmental Precautions:	Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. Authorities should be notified if reportable quantity release occurs.
Decontamination Procedures:	Soak up condensate with inert absorbent material and collect in ventilated waste container for disposal.

7: HANDLING AND STORAGE

Handling:	During manufacture, caution must be used to prevent contact with hot material. Prevent inhalation of vapor. Product is heated during processing. Avoid contact with hot material. Wear heat resistant gloves. Do not inhale vapor or fumes. In case of contact with skin or eyes, apply cold water immediately and get medical attention as soon as possible. Do not heat in excess of the flash point. Do not use in confined or poorly ventilated areas.
Storage:	Store in sealed containers in a cool, dry, ventilated warehouse location.



8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Eye Protection:** Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Skin Protection:** Use a face shield impervious to hot bitumen. Use slip resistant shoes impervious to hot bitumen. Use heat resistant gloves and protective apparel for hot material.
- Respiratory Protection:** Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS.
- Hygiene Measures:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. DO NOT use gasoline, kerosene, solvents, or harsh abrasive skin cleaners to clean skin. Prevent skin contact when handling heated material. Use insulated, heat-resistant clothing when handling heated material. Use a full-body heat-resistant or internally cooled suit when work conditions dictate.
- Engineering Controls:** Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS.
- Exposure Guidelines:**

Component	CAS number	ACGIH TWA	OSHA TWA	NIOSH
Asphalt	8052-42-4	0.5 mg/m ³ TWA	Not listed	0.5 mg/m ³
Hydrogen Sulfide	7783-06-4	1 ppm TWA	20 ppm ceiling	10 ppm

9: PHYSICAL AND CHEMICAL PROPERTIES

- Form:** Solid form, viscous liquid when heated
- Colour:** Black
- Odour:** Characteristic sour, tar-like odor
- pH (concentrate):** Not applicable
- Boiling Point (°C) :** > 340
- Flash Point (closed cup) (°C):** Not applicable
- Relative Density (@25°C):** 1.05 – 1.25
- Water Solubility:** Insoluble



10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat, flames and sparks.
Chemical Incompatibility:	Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products:	In case of fire hazardous decomposition products may be produced such as: Carbon oxides Hydrogen sulfide and other sulfur-containing gases can evolve from this product particularly at elevated temperatures. No decomposition products in case of appropriate storage / handling / transport.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Expected oral LD50, rat > 5000 mg/kg.

Health Effects

On Eyes:	Mild irritation.
On Skin:	Mild irritation.
By Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
By Ingestion:	There may be soreness and redness of the mouth and throat.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed as intended, no adverse environmental effects are foreseen.
Mobility:	Not applicable.
Degradability:	Not applicable.
Bioaccumulation:	Not applicable.
Acute Fish Toxicity:	Toxic to aquatic organisms.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Transfer to a suitable container and arrange for collection by specialised disposal company.
Used/ Contaminated Product:	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
Packaging:	Must be disposed off through an authorized waste contractor.

14: TRANSPORT INFORMATION

This product is **not** classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

Contains:

Asphalt

Risk Phrases:

R26

Very toxic by inhalation.

R36/37/38

Irritating to eyes, respiratory system and skin.

Safety Phrases:

S23

Do not breathe fumes.

S24/25

Avoid contact with skin and eyes.

S36

Wear suitable protective clothing.

S38

In case of insufficient ventilation, wear suitable respiratory equipment.

S37/39

Wear suitable gloves and eye/face protection.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53

Avoid exposure - obtain special instructions before use.

S61

Avoid release to the environment. Refer to special instructions / safety data sheets.

S63

In case of accident by inhalation, remove casualty to fresh air and keep at rest.

16: OTHER INFORMATION

Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.