

ASPHALT SYSTEMS, INC.  
2775 WEST 1500 SOUTH  
P.O. BOX 25511  
SALT LAKE CITY, UTAH 84104

**24-HOUR EMERGENCY  
RESPONSE NUMBER**  
**CHEMTREC**  
**1-800-424-9300**

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## MATERIAL SAFETY DATA SHEET

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MSDS NO. 99-2003  
DATE: 04-03-2003  
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### I. PRODUCT DESCRIPTION

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**GSB – 88**

Appearance and odor: Brown liquid with slight resinous odor.

Hazard Rating: Health 1  
Fire 0  
Reactivity 0

ANSI: Caution! May cause eye and skin irritation.

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### 11. HAZARDOUS COMPONENTS

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INGREDIENT	CAS No.	PERCENT	TLV	PEL
Gilsonite	12002-43-6	Proprietary	5mg/m3	N/E
Aromatic Oil	64741-59-9	information	.2mg/m3	N/E
Petroleum Asphalt	8052-42-4		5mg/m3	N/E
Additives	N/A		N/E	N/E
Water	7732-18-5		N/E	N/E

CAUTION: There maybe the possibility of volatile vapors developing under extreme heat conditions while being stored in bulk containers.

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### III. OVERVIEW & HEALTH INFORMATION

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GSB – 88 is a colloidal dispersion of Gilsonite, asphalt and aromatic oil in water and additives.

After the water has been removed and the temperature of the bitumen exceeds 400°F (204°C) may burn if ignited.

The product contains small amounts of additives, which can vary in composition quantities. These additives are not hazardous in the small quantities used.

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## IV. PHYSICAL DATA

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Description: Dark brown liquid, resinous odor.  
Boiling Point: 212°F (100°C)  
Vapor Pressure: 23.7 mm of Hg at 77°F (25°C)  
Vapor Density: 0.62  
Solubility in water: 100%  
Specific Gravity: 1.02  
Percent Volatile by Volume: 32-42  
Evaporation Rate: N/D

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## V. FIRE AND EXPLOSION DATA

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Flash Point (Closed Cup): None unless water is removed.  
Explosive Limits: N/D  
Autoignition Temperature: N/D  
Fire Point: N/D  
Extinguishing Media: Dry Chemical, Water, Foam, CO2  
Hazardous Decomposition Products: Carbon monoxide and Carbon dioxide.  
Special Fire Fighting Procedures: If entering a confined area, fire fighters should wear a NIOSH approved self-contained breathing apparatus.  
Unusual Fire & Explosion Hazards: May foam if heated above 212°F (100°C).

NOTE: Care should be taken to never introduce an open flame or other source of ignition to any product while being stored in bulk containers.

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## VI. HEALTH HAZARD DATA

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Eyes: Irritation  
Skin: Mild irritation. Repeated or prolonged contact can cause dry scaly dermatitis.  
Breathing: Respiratory irritation, nausea, dizziness, and headache.  
Swallowing: Stomach irritation, nausea, and vomiting.  
FIRST AID:  
If in eyes: Flush with large amounts of water while holding eyelids open.  
If on skin: Wash with soap and water or use waterless hand cleaner. Do not use solvent or thinners to clean the skin.  
If breathed: Remove victim to fresh air. If breathing is difficult, give artificial respiration. Get medical attention.  
If swallowed: If victim is conscious, give liquids. INDUCE VOMITING. Call a physician.

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N/E=None Established N/A=Not Applicable N/D=No Data Available

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## **REACTIVITY DATA**

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Hazardous Polymerization: Will not occur.

Stability: Stable

Incompatibility: Avoid contact with strong oxidizers.

## **SPILL OR LEAK PROCEDURES**

Dike or contain spill with, floor dry, sand, etc. Pump liquid to containers or storage vessel. Soak up residue with absorbent material. Scoop contaminated absorbent and diking material into containers for disposal.

### **WASTE DISPOSAL:**

Recovered materials may be blended with aggregate and used for patching or other maintenance use. Other wastes should be disposed of according to federal, state, and local regulations.

## **PROTECTIVE EQUIPMENT TO BE USED**

Respiratory Protection: NIOSH approved cartridge respirator with organic vapor cartridges if other controls are not effective.

Ventilation: Normal ventilation is usually adequate.

Protective Gloves: Impervious gloves such as neoprene or vinyl.

Eye Protection: Wear chemical safety goggles if splashing may occur.

Other Protective Equipment: Wear a protective apron if splashing or repeated contact is likely.

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X. SPECIAL PRECAUTIONS OR OTHER COMMENTS

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Do not allow to freeze.  
Do not store in excess of 200°F (93°C).