

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**

MATERIAL SAFETY DATA SHEET

MSDS NO. 99-2002
DATE: 3-1-99
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I. PRODUCT DESCRIPTION

GSB-78

Appearance and odor: Black liquid with petroleum solvent odor.

Hazard Rating: Health 1
Fire 3
Reactivity 0

ANSI: Caution! May cause eye and skin irritation.

11. HAZARDOUS COMPONENTS

INGREDIENT	CAS No.	PERCENT	TLV	PEL
Gilsonite	12001-43-6	Proprietary	5mg/m3	N/E
Petroleum Asphalt	8052-42-4	information	5mg/m3	N/E
Petroleum	64742-89-8		N/E	500ppm
Kerosene/Naptha	64742-48-9		N/E	500ppm
Additives	N/A		N/E	N/E

III. OVERVIEW & HEALTH INFORMATION

GSB - 78 is a liquid or cut-back, rapid cure, (RC-10h), bituminous product containing Gilsonite resin, petroleum asphalt and petroleum kerosene/naptha.

The flash point for petroleum kerosene/naptha used is 77°F (25°C), using a Pensky-Martens Closed Cup Tester. **GSB-78 IS A FLAMMABLE PRODUCT.**

Fumes from the petroleum kerosene/naptha are capable of producing varying degrees of nervous system depression if overexposure occurs. These effects are similar to alcohol intoxication and range from drowsiness, nausea, dizziness, mental confusion, reduced attention span, loss of coordination, numbness in the extremities and unconsciousness. These symptoms are reversible when exposure is terminated.

Contact with skin may result in mild dermatitis.

Petroleum asphalt forms fumes when heated. These fumes may cause irritation to the nose, throat, and respiratory tract.

GSB-78 contains small amounts of additives, which can vary in composition and quantity. These additives are not considered hazardous in the small quantities used.

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PRODUCT: GSB-78

IV. PHYSICAL DATA

Description: Black liquid with mild petroleum solvent odor.

Boiling Point: 100°F (37.8°C)

Vapor Pressure: 38.05 mm of Hg at 77°F (25°C)

Vapor Density: 0.995

Solubility in Water: Insoluble

Specific Gravity: 0.8625

Percent Volatile by Volume: 59-62%

Evaporation Rate: 1.6

V. FIRE AND EXPLOSION DATA

Flash Point (PMCC): 77°F (25°C)

Explosive Limits: N/D

Autoignition Temperature: N/D

Fire Point: N/D

Extinguishing Media: Dry Chemical, 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: Product will burn when exposed to any ignition source.

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.

VI. HEALTH HAZARD DATA

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. Get medical attention if irritation persists.

If on skin: Wash with solvent, followed by waterless hand cleaner and soap and water wash. Do not leave solvent on skin for prolonged periods of time.

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.

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

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PRODUCT: GSB -78

REACTIVITY DATA

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.

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

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PRODUCT: GSB -78

X. SPECIAL PRECAUTIONS OR OTHER COMMENTS

Do not store in excess of 120°F (93°C).

Do not expose to open flame or ignition source, FLAMMABLE MATERIAL.

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