



# SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Type:** Malarkey® Polymer Modified Adhesive

**Trade Name:**

**950 SEBS Mopping Asphalt**

**Use:** Polymer Modified Bitumen Adhesive for Low Slope BUR Systems

**Manufacturer:**

Malarkey Roofing Products  
P.O. Box 17217  
3131 N. Columbia Blvd.  
Portland, OR, 97217  
Phone: 503-283-1191  
www.malarkeyroofing.com

**Emergency Contact:**

CHEMTREC®: 1-800-424-9300 (24 HOUR)

## 2 HAZARD(S) IDENTIFICATION

**Signal Word:** HEALTH HAZARD; WARNING

**Carcinogenicity:** Category 2A

**Skin Irritation:** Category 2

**HAZARD STATEMENTS**

- Causes skin and eye irritation.
- May cause an allergic skin reaction.
- Causes damage to organs through prolonged or repeated exposure.

**PRECAUTIONARY STATEMENTS**

- Read instructions before use.
- Use in a well-ventilated area.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe dust.
- Wear proper *Personal Protective Equipment* including gloves, protective clothing, eye protection, face protection, and respirator where appropriate.
- Do not eat, drink or smoke when using this product.
- Thoroughly wash hands and exposed skin after handling.

### GHS CLASSIFICATION



### 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	Ingredient %
Asphalt	8052-42-2	91 - 97
SBS	9003-55-6	3 - 9
Hydrogen Sulfide	7783-06-4	<0.1

### 4 FIRST-AID MEASURES

**Eye contact:** Immediately flush eyes with plenty of cool water for at least 20 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Get medical attention if irritation persists.

**Skin contact:** Clean any exposed skin with warm soapy water if possible. If not, and a waterless hand cleaner is used, it should be without pumice. Do not use solvents or thinners to remove material from skin. Get medical attention if irritation persists or develops.

**Ingestion:** If swallowed, do not induce vomiting. If vomiting occurs, keep head lower than hips to avoid aspiration of vomit into the lungs which can cause inflammation or pneumonitis. Call poison control center or get immediate medical attention.

**Inhalation:** If inhalation of dust occurs, remove person to fresh air. Drink water to clear throat or blow nose to clear. If not breathing, give artificial respiration or give oxygen by trained personnel and get immediate medical attention.

**Notes to physician:** Treatment should be based on removing the source of irritation with treatment of symptoms as necessary.

### 5 FIRE-FIGHTING MEASURES

**Flash point:** 525°F minimum (274°C), Cleveland Open Cup

**Auto-ignition temperature:** >650°F

**Extinguishing media:** Dry chemical, CO<sub>2</sub>, or foam fire extinguisher should be used for controlling small fires. Avoid use of straight-stream water.

**Special firefighting procedures:** Avoid breathing fumes. Firefighters should wear NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

**Unusual fire or explosion hazards:** When heated, fumes may burn if ignition source is provided. Petroleum asphalt fumes can explode if emitted in an enclosed environment and supplied with an ignition source. Burning product will cause thick black smoke.

**Hazardous combustion products:** Carbon monoxide, carbon dioxide, ozone, hydrogen sulfide, oxides of sulfur and various hydrocarbons during heating or burning. These combustion products are not expected unless product is heated or burned.

### 6 ACCIDENTAL RELEASE MEASURES

**Precautions if material is spilled or released:** Let cool, cover with limestone if warm to lower adhesive properties. Scrape up large pieces. Leather or cotton gloves must be worn when handling.

**Waste disposal methods:** It is highly recommended that this product be recycled. Otherwise, dispose in accordance with applicable Federal, State, and Local regulations. Do not burn.

## 7 HANDLING AND STORAGE

**Storage temperature:** Store away from heat and all ignition sources and open flames in accordance with applicable laws and regulations. Product should not be burned or heated using a direct flame.

**Precautions to be taken in handling and storage:** Follow recommended work practices and use recommended personal protective clothing and equipment.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS #	OSHA		ACGIH	
		TWA	STEL	TWA	STEL
Asphalt	8052-42-2	NE	NE	0.5 mg/m <sup>3</sup> <sup>a</sup>	NE
SBS	9003-55-6	15 / 5 <sup>b</sup>			
Hydrogen Sulfide	7783-06-4	20 ppm	NE	1 ppm	NE

NE = Not Established

<sup>a</sup> = Asphalt Fume as benzene-soluble inhalable aerosol

<sup>b</sup> = Total Nuisance Dust / Respirable Dust

**Respiratory protection:** Normally not needed in well-ventilated areas. If applicable exposure standards are exceeded or can be exceeded introduce ventilation to remove fumes. If increased ventilation is not possible, use a NIOSH approved air-purifying respirator. If concentrations are sufficiently high that this respirator is inadequate, or high enough to cause oxygen deficiency, use a positive pressure self-contained breathing apparatus (SCBA). Follow all applicable respirator/SCBA use, fitting, and training standards and regulations.

**Ventilation:** Use only with adequate ventilation to maintain exposures below applicable exposure limits.

**Eye protection:** Safety glasses with side shields must be used when handling.

**Skin protection:** Must wear leather or cotton gloves during application and tear off activities.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and odor:** Solid material with granular surfacing, sand backing, very low odor.

**Odor threshold:** Not Applicable

**Vapor pressure:** Not Applicable

**pH:** Not Applicable

**Specific gravity/relative density:** >2

**Vapor density (Air = 1):** Not Applicable

**Viscosity:** Not Applicable; solid

**Boiling point:** >700°F

**Melting point:** >180°F

**Solubility (IES):** No data available

**Flash point:** >525°F

**Evaporation rate (Butyl Acetate = 1) :** <0.1

**Flammability (Solid and Gas):** Not Applicable

**Initial boiling point and boiling range:** Not Applicable

**Auto-ignition temperature:** >343°C/680°F

**Upper/lower flammability or explosive limits:** Not Applicable

**Decomposition temperature:** Not Applicable

## 10 STABILITY AND REACTIVITY

**Stability:** Stable

**Reactivity:** Reactivity will not occur.

**Conditions to avoid:** Do not allow water to come in contact with hot liquid asphalt. Keep from heat, sparks, open flame and other sources of ignition. Avoid contact with strong oxidizing agents. PRODUCT SHOULD NOT BE BURNED OR HEATED USING A DIRECT FLAME DEVICE.

**Hazardous reaction:** Polymerization will not occur.

**Incompatibility (materials to avoid):** Strong acids or bases, oxidizing agents and selected amines.

**Hazardous combustion products:** Carbon monoxide, carbon dioxide, ozone, hydrogen sulfide, oxides of sulfur and various hydrocarbons during heating or burning. These combustion products are not expected unless product is heated or burned.

## 11 TOXICOLOGICAL INFORMATION

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Inhalation:** Dust may cause upper respiratory irritation.

**Ingestion:** May cause harmful effects if swallowed.

**Symptom related to the physical, chemical and toxicological characteristics:** Not available.

**THE FOLLOWING COMPONENT DATA IS PROVIDED FOR USER INFORMATION:**

**Acute toxicity:** Not available.

Components	Species	Test Results
<b>HYDROGEN SULFIDE (CAS 7783-06-4)</b>		
Acute Inhalation LC <sub>50</sub>	Monkey	0.7 mg/l, 35 minutes
	Mouse	> 0.024 mg/l, 960 minutes
		1.5 mg/l, 18 minutes
		0.38 mg/l, 410 minutes
		0.096 mg/l, 804 minutes
	Rat	> 0.38 mg/l, 960 minutes
		1.5 mg/l, 14 minutes

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation:** Not available.

**Serious eye damage/eye irritation:** Not available.

**Respiratory and skin sensitization:** Not available.

**Germ cell mutagenicity:** Not available.

**Carcinogenicity:**

IARC: Occupational exposures to straight-run bitumens and their emissions are "possibly carcinogenic to humans" (Group 2B). Contains polycyclic aromatic compounds (PACs). Prolonged and/or repeated skin contact with certain PACs has been shown to cause skin cancer. Prolonged and/or repeated exposures by inhalation of certain PACs may also cause cancer of the lung and of other sites of the body.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

ASPHALT (CAS 8052-42-4)

2B Possibly carcinogenic to humans.

**U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed.

**Reproductive toxicity:** Not available.

**Specific target organ toxicity:**

- **single exposure:** Not available.

- **repeated exposure:** Not available.

**Aspiration hazard:** Not available.

**Chronic effects:** Prolonged inhalation may be harmful.

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects (GHG, Ozone):** No data available.

## 13 DISPOSAL CONSIDERATIONS

This product has not been regulated as a hazardous waste by the USEPA. Recycling is recommended. Otherwise, dispose in accordance with Federal, State, and Local regulations. Do not burn. Do not dispose as sewage.

## 14 TRANSPORT INFORMATION

This product is not regulated as a hazardous material for transport under 49 CFR or for vessel transport under the IMDG Code.

**UN number:** Not applicable

**UN proper shipping name:** Not applicable

**Packing group, if applicable:** Not applicable

**Environmental hazards:** Not applicable

**Transport in bulk:** Not applicable

**Special precautions:** Not applicable

## 15 REGULATORY INFORMATION

**Toxic Substances Control Act (TSCA):** Some components in this product are listed on the TSCA Inventory.

**Comprehensive Environmental Response Compensation and Liability (CERCLA):** None

**Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III, Section 302 Extremely**

**Hazardous Substances:** Hydrogen Sulfide

**Section 311/312 Hazard Categories:** Immediate Health; Delayed Health; Fire Hazard

**Section 313 Reportable Ingredients:** Not regulated.

**California Proposition 65:** WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

# 16 OTHER INFORMATION

## HMIS RATING

<b>HEALTH: 1</b>
<b>FLAMMABILITY: 1</b>
<b>REACTIVITY: 0</b>
<b>PERSONAL PROTECTION: B</b>



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