



## SAFETY DATA SHEET

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Type:** Malarkey Self-Adhering, High Temperature Underlayment

**SKU Number/Trade Name:**  
**406 Secure Start® HT**

**Use:** Steep slope, self-adhering underlayment

**Manufacturer:**  
Malarkey Roofing Products  
P.O. Box 17217  
3131 N. Columbia Blvd.  
Portland, OR 97217  
Phone: 503-283-1191  
[www.malarkeyroofing.com](http://www.malarkeyroofing.com)

**Emergency Contact:**  
CHEMTREC®: 1-800-262-8200 (24 HOUR)

### 2 HAZARD(S) IDENTIFICATION

**Signal Word:** 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.
- Wear proper Personal Protective Equipment including gloves/protective clothing/eye protection/face protection 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	8052-42-4	60 - 70
Styrene Butadiene Styrene	9003-55-6	5 - 15
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	1 - 5
Polypropylene	9003-07-0	10 - 20
Polyethylene	9002-88-4	0 - 3

### 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:** Remove person to fresh air.

**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, carbon dioxide, or foam fire extinguisher should be used for controlling small fires. Avoid use of straight-stream water.

**Special firefighting procedures:** Avoid breathing fumes. Molten polypropylene tends to flow or drip. Firefighters should wear NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**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, melting and dripping.

**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:** Pick up large pieces. Leather or cotton gloves must be worn when handling.

## 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	8052-42-4	NE	NE	0.5 mg/m <sup>3</sup> <sup>a</sup>	NE
Styrene Butadiene Copolymer	9003-55-6	NE	NE	NE	NE

NE = Not Established

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

**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:** Solid material with sheet surfacing, adhesive backing with release film

**Odor:** Very low odor

**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:** > 200°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:** 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.

**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.

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

## 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. Dispose in accordance with Federal, State, and Local regulations. Do not burn.

## 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:** None

**SARA Section 311/312 Hazard Categories:**

Immediate (Acute) Health No

Delayed (Chronic) Health Hazard No

Fire Hazard No

Sudden Release of Pressure Hazard No

Reactive Hazard No

**California Proposition 65:** This product does not contain any Prop 65 chemicals.

## 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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