



SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Type: Malarkey® Self-Adhering High Temperature Underlayments

Trade Names:
405 SecureStart™ HT NS

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

Emergency Contact:
CHEMTREC®: 1-800-424-9300 (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 ³ ^a	NE
Styrene Butadiene Copolymer	9003-55-6	NE	NE	NE	NE

NE = Not Established

^a = 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

HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: B



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