

## SAFETY DATA SHEET

### TopShield® StormGear™ SA Cap

#### SECTION 1: Product and Company Identification

**MATERIAL NAME:** Asphalt Rolled Roofing  
**SDS NUMBER:** 401  
**PRODUCT DESCRIPTION:** Self-Adhesive SBS Modified Bituminous Polyester Reinforced Cap Sheet  
**CHEMICAL FAMILY:** Mixture  
**PRODUCT USE:** Weatherproofing  
**TRADE NAME (S):** TopShield® StormGear™ SA Cap  
**MANUFACTURER:** Tarco

**COMPANY IDENTIFICATION:** Tarco  
 One Information Way  
 Suite 225  
 Little Rock, AR 72202  
 United States  
[www.tarcoroofing.com](http://www.tarcoroofing.com)  
[tarco@tarcoroofing.com](mailto:tarco@tarcoroofing.com)

**TELEPHONE (TECHNICAL):** 800-365-4506 (8:00 AM – 5:00 PM - US Central Time) **Monday - Friday**  
**TELEPHONE (EMERGENCY):** 800-424-9300 (Chemtrec, in English)

#### SECTION 2: Hazard(s) Identification

##### EMERGENCY OVERVIEW:

**Overview** All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, the product listed in this SDS is not expected to pose a physical hazard or health risk to humans. This product does not contain any form of asbestos materials.

**Prevention** Avoid breathing dust, fumes, gas, mist, vapors, and/or spray. Storage/Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Route of Exposure** Inhalation, Skin, Eye, Ingestion

##### POTENTIAL HEALTH EFFECTS:

**Inhalation** Not expected under normal conditions of use. However, extreme exposures to dust and fumes may cause upper respiratory irritation.

**Skin** Not expected under normal conditions of use. Repeated contact may cause skin irritation due to roughness of product. Redness, drying and cracking of the skin (dermatitis) may occur following prolonged and repeated contact. Prolonged or repeated skin contact could result in absorption of hazardous components.

**Ingestion** Not intended to be ingested (eaten). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

**Eyes** Not expected under normal conditions of use. If dust enters eye, may cause irritation resulting in tearing, stinging, redness or swelling.

**Carcinogenicity** When used under normal conditions, this product is not considered a carcinogen.

HAZARD RATING (NFPA)		
HEALTH	1	
FLAMMABILITY	1	
REACTIVITY	0	
SPECIAL NOTICE	X	

HAZARD RATING (HMIS®)		
HEALTH	1	
FLAMMABILITY	1	
REACTIVITY	0	
SPECIAL NOTICE	X	

Degree of Hazard  
 0 - Minimal (Insignificant)  
 1 - Slight  
 2 - Moderate  
 3 - Serious (High)  
 4 - Severe (Extreme)

NFPA – National Fire Protection Association  
 HMIS® is a registered trademark of the American Coatings Association

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#### SECTION 3: Composition/Information on Ingredients

CHEMICAL NAME	COMMON NAME	CAS#	% WT.
Asphalt	Asphalt Flux	8052-42-4	16-47
Oxidized Asphalt	Coating Asphalt	64742-93-4	0-8
Styrene-Butadiene-Styrene	SBS Rubber	9003-55-8	2-10
Petroleum Hydrocarbon Resin	Resin	68527-25-3	0.2-2
Mineral Oil	Oil	64741-96-4	0.1-2
Calcium Carbonate	Limestone	1317-65-3	5-25
Polyester	Polyester Mat	Not Available	2-6
Crushed Mineral	Roofing Granules	Not Available	19-46
Polyethylene	Poly Film 9	002-88-4	0.4-2
Polypropylene	Poly Film	9003-07-0	0.4-2

#### SECTION 4: First Aid Measures

**Eye Contact:** If material comes into contact with the eyes, immediately flush with plenty of cool water for at least 20 minutes preferably at an eye wash fountain or until irritation subsides, occasionally lifting the eye lids to ensure thorough rinsing. If irritation develops or persists, seek medical attention.

**Skin:** Remove contaminated clothing and wash exposed skin with soap and water. If irritation develops or persists, seek medical attention. If contacted by hot asphalt, cool with ice or water; do not attempt to remove the asphalt material immediately; seek medical attention.

**Ingestion:** If product is ingested, 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. Get immediate medical attention.

**Inhalation:** If product is heated, exposure to fumes, vapors, or mists may cause irritation of the nose and throat. Drink water to clear throat or blow nose to clear. Use of product in properly ventilated areas is not expected to cause adverse effects. Remove to fresh, uncontaminated air. Give artificial respiration and/or oxygen by trained personnel, if necessary and get immediate medical attention.

**Other Instructions:** Never give anything by mouth to an unconscious person

#### SECTION 5: Fire Fighting Measures

**Extinguishing Media:** Water spray, Foam, Carbon Dioxide, Dry Chemical.

**UNSUITABLE EXTINGUISHING MEDIA** No data available

**Hazardous Combustion Products:** Carbon Dioxide, Carbon Monoxide. If burned, the material could release toxic fumes and smoke.

**FIRE FIGHTING PROCEDURES:** Combustible. Avoid breathing fumes. Use extinguishing measures that are appropriate to local circumstances and surrounding environment.

**firefighting protection:** Firefighters should not enter confined space without wearing NIOSH-approved self-contained breathing apparatus with full face mask and protective equipment.

**UNUSUAL FIRE ANDEXPLOSION HAZARDS:** When heated, fumes may burn if ignition source is provided. Burning the products will yield thick, black smoke. Petroleum asphalt fumes can explode if emitted in an enclosed environment and supplied with an ignition source. Removal of release liner may create a static electric discharge (sparks). Do not remove where sparks may ignite flammable vapors.

#### SECTION 6: Accidental Release Measures

**PERSONAL PRECAUTIONS:** Not applicable

**EMERGENCY PROCEDURES:** Not applicable

**ENVIRONMENTAL PRECAUTIONS:** Not applicable

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#### SECTION 6: (continued)

**CLEAN-UP PROCEDURES:** Pick up large pieces. Vacuum dust. If sweeping is necessary, avoid creating dusts by using a dust suppressant such as water. This will help to minimize potential exposures.

**WASTE DISPOSAL METHOD:** Scoop up material and dispose in accordance with Federal, State, and local regulations. Do not burn.

#### SECTION 7: Handling and Storage

**HANDLING PROCEDURES:** Use this product with adequate ventilation. When handling uncontained material, use personal protective equipment as described in Section 8 of this SDS. Do not remove release liner where sparks may ignite flammable vapors. Release liners are slippery. Remove from work area immediately.

**STORAGE PROCEDURES:** Store material in accordance with instructions on the product packaging, if any. Material should be kept clean, dry, and in original packaging. Keep this product away from heat, sparks, ignition sources, and open flames in accordance with applicable laws and regulations.

#### SECTION 8: Exposure Controls / Personal Protection

##### PERSONAL PROTECTIVE EQUIPMENT

<b>Respiratory Protection</b>	Not needed under normal use conditions. If exposure limits are exceeded, use a NIOSH approved respirator. Follow all applicable respirator use, fitting, and training standards and regulations.
<b>Eyes/Face Protection</b>	Safety glasses with side shields are recommended
<b>Hands Protection</b>	Leather or cotton gloves recommended when handling to protect against mechanical abrasion. Promptly clean hands with waterless hand cleaner, clean fingernails and wash with soap and water after handling.
<b>Skin/Body Protection</b>	Normal work clothing (long sleeved shirts, long pants, and non-skid shoes or boots with 6-inch leather uppers) is recommended during application and/or tear-off activities.
<b>Other Protective Equipment</b>	Should be provided as necessary to prevent irritation of the throat, eyes, and skin and to keep exposures below the applicable exposure limits identified in this section.
<b>Work Hygiene-Practices</b>	Use good industrial hygiene practices when handling the material. Wash exposed skin prior to eating, drinking or smoking and at the end of the shift. Wash work clothes separately from other clothing.
<b>Exposure Guidelines</b>	Handle using methods and techniques that minimize dust or fume generation.
<b>Engineering Controls/ Ventilation</b>	Not needed under normal conditions of use.

CHEMICAL NAME	COMMON NAME	CAS#	EXPOSURE LIMIT	
			ACGIH (TWA)	OSHA (PEL)
Asphalt	Asphalt Flux	8052-42-4	0.5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Oxidized Asphalt	Coating Asphalt	64742-93-4	0.5 mg/m <sup>3</sup>	Not Established
Styrene-Butadiene-Styrene	SBS Rubber	9003-55-8	Not Established	Not Established
Petroleum Hydrocarbon Resin	Resin	68527-25-3	Not Established	Not Established
Mineral Oil	Oil	64741-96-4	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Calcium Carbonate	Limestone	1317-65-3	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Polyester	Polyester Mat	Not Available	2-6	Not Established
Crushed Mineral	Roofing Granules	Not Available	19-46	Not Established
Polyethylene	Poly Film 9	002-88-4	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Polypropylene	Poly Film	9003-07-0	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

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#### SECTION 9: Physical and Chemical Properties

Physical Form	Solid	Taste	No data available
Appearance	Sheet in roll form	Odor	Petroleum odor
Color	Black	Odor Threshold	Not applicable
Boiling Point	>6500 F	Vapor Pressure	No data
Melting Point	>2000 F	Vapor Density	No data
Freezing Point	No data	Evaporation Rate	No data
Specific Gravity	Variable	VOC (Weight)	No data
Density	No data	VOC (Volume)	No data
Bulk Density	No data	Volatiles (Weight)	No data
Viscosity	No data	Volatiles (Volume)	No data
pH (Undiluted Product)	No data	Flash Point	>4500 F
Water Solubility	Insoluble	Flash Point Test Type	COC
Solvent Solubility	No data	Upper Explosion Limit	No data
Partition Coefficient -Octanol / Water	No data	Lower Explosion Limit	No data
Molecular Weight	No data	Auto Ignition	>860° F
Decomposition Temperature	No data	Flammability (Solid, Gas)	No data

#### SECTION 10: Stability and Reactivity

**CHEMICAL STABILITY:** Stable

CONDITIONS TO AVOID: Do not store product near heat or flame. When cutting or sanding, minimize dust generation and accumulation. Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: If burned, it will generate carbon dioxide, carbon monoxide and hydrogen chloride

#### SECTION 11: Toxicological Information

<b>ACUTE EFFECTS</b>	Repeated contact may cause skin irritation due to roughness of product. If dust enters eye, may cause irritation resulting in tearing, stinging, redness or swelling. Inhalation of dust, fumes and/or vapor may cause scratchy throat and/or slight coughing. Other effects include wheezing, chest pains, and bronchitis. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.	
<b>CHRONIC EFFECTS</b>	Redness, drying and cracking of the skin (dermatitis) may occur in the case of prolonged and repeated contact. Extreme exposures to fumes may cause upper respiratory irritation. Silicosis (Pulmonary Fibrosis or severe lung scarring) may occur if exposed to high levels of repeated encounters with dust.	
<b>COMPONENT ANALYSIS</b>	ASPHALT (CAS# 8052-42-4)	Fumes from the heating of roofing asphalt have been determined to be potential occupational carcinogen by the National Institute of Occupational Safety and Health (NIOSH).
	OXIDIZED ASPHALT (CAS# 64742-93-4)	Occupational exposures to oxidized asphalt and its emissions during roofing have been determined by the International Agency for Research on Cancer (IARC) as 'probably carcinogenic to humans'.

#### SECTION 12: Ecological Information

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ECOTOXICITY:	No data available for this product
PERSISTENCE AND DEGRADABILITY:	No data available for this product
BIOACCUMULATION POTENTIAL:	No data available for this product
MOBILITY IN SOIL	No data available for this product
OTHER ADVERSE EFFECTS - (GHG, OZONE)	No data available for this product

#### SECTION 13: Waste Disposal Considerations

PRODUCT INFORMATION:	This product, as supplied, is not expected to be a hazardous waste when it is disposed of according to the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations
DISPOSAL INSTRUCTIONS:	Dispose of waste material in accordance with Federal, State, and Local environmental regulations.
RCRA CLASS:	None

#### SECTION 14: Transport Information

ECOTOXICITY:	No data available for this product
PERSISTENCE AND DEGRADABILITY:	No data available for this product
BIOACCUMULATION POTENTIAL:	No data available for this product
MOBILITY IN SOIL	No data available for this product
OTHER ADVERSE EFFECTS - (GHG, OZONE)	No data available for this product

#### SECTION 15: Regulatory Information

##### INTERNATIONAL REGULATIONS

These products are not considered articles per international product regulations and as such, these products do not require registration or notification on the various country-specific inventories.

##### U. S. FEDERAL REGULATIONS

TSCA (Toxic Substance Control Act)	This product contains some components that are listed on the TSCA 8(b) inventory
CERCLA	None
SARA Section 302	None of the product components are listed under this section
SARA Section 311 / 312	Acute Health: Yes; Chronic Health: Yes
SARA Section 313	None of the product components are listed under this section

##### STATE REGULATIONS

Component Analysis – State: The following components appear on one or more of the following state hazardous substances lists.

CHEMICAL NAME	COMMON NAME	CAS NUMBER	CA	MA	MN	NJ	PA	RI
Asphalt	Asphalt Flux	8052-42-4	Yes	Yes	Yes	Yes	Yes	Yes
Oxidized Asphalt	Coating Asphalt	64742-93-4	No	No	No	No	No	No
Calcium Carbonate	Limestone	1317-65-3	No	Yes	Yes	No	Yes	Yes

#### SECTION 16: Other Information

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DATE OF PREPARATION	November 11, 2019
DATE OF LAST REVISION	July 01, 2014
CHANGES SINCE LAST REVISION	Removal of California Prop 65 language in Section 15
PREPARED BY	Tarco

#### DISCLAIMER

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