

# SAFETY DATA SHEET



## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**MATERIAL NAME:** Asphalt Rolled Roofing  
**SDS NUMBER** 103  
**PRODUCT DESCRIPTION:** Asphalt Saturated Organic Felt Underlayment  
**CHEMICAL FAMILY:** Mixture  
**PRODUCT USE:** Weatherproofing  
**TRADE NAME (S):** 55 Smooth  
**MANUFACTURER:** Tarco  
One Information Way  
Suite 225  
Little Rock, AR 72202  
United States  
www.tarcoroofing.com  
tarco@tarcoroofing.com  
**TELEPHONE (TECHNICAL)** (800) 365-4506 (8:00 AM – 5:00 PM - US Central Time) Monday - Friday  
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## SECTION 2 – HAZARDS 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)**

<b>HEALTH</b>	<b>1</b>	
<b>FLAMMABILITY</b>	<b>1</b>	
<b>REACTIVITY</b>	<b>0</b>	
<b>SPECIAL NOTICE</b>	-	

**HAZARD RATING (HMIS®)**

<b>HEALTH</b>	<b>1</b>	
<b>FLAMMABILITY</b>	<b>1</b>	
<b>PHYSICAL HAZARD</b>	<b>0</b>	
<b>PERSONAL PROTECTION</b>	<b>X</b>	

NFPA – National Fire Protection Association

HMIS® is a registered trademark of the American Coatings Association

Degree of Hazard

0 - Minimal (Insignificant)

1 - Slight

2 - Moderate

3 - Serious (High)

4 - Severe (Extreme)

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME	COMMON NAME	CAS NUMBER	PERCENT BY WEIGHT
Asphalt	Asphalt Flux	8052-42-4	5-25
Oxidized Asphalt	Coating Asphalt	64742-93-4	20-40
Calcium Carbonate	Limestone	1317-65-3	10-30
Organic Felt	Paper	NA	8-28
Coal Slag Fines	Slag	68476-96-0	5-25

**Note:**

NA = Not Available

NE = Not Established

**SECTION 4 – FIRST AID MEASURES****INHALATION**

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.

**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.

**EYES**

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.

**NOTES TO PHYSICIANS/  
FIRST AID PROVIDERS**

Treatment must be based on removing the source of irritation with treatment of symptoms as necessary. Water-Jel products have been shown to be effective in removing asphalt.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>EXTINGUISHING MEDIA</b>	Water spray, Foam, Carbon Dioxide, Dry Chemical.
<b>UNSUITABLE- EXTINGUISHING MEDIA</b>	No data available
<b>HAZARDOUS COMBUSTION- PRODUCTS</b>	Carbon Dioxide, Carbon Monoxide. If burned, the material could release toxic fumes and smoke.
<b>FIRE FIGHTING- PROCEDURES</b>	Combustible. Avoid breathing fumes. Use extinguishing measures that are appropriate to local circumstances and surrounding environment.
<b>FIRE FIGHTER PROTECTION</b>	Firefighters should not enter confined space without wearing NIOSH-approved self-contained breathing apparatus with full face mask and protective equipment.
<b>UNUSUAL FIRE AND- EXPLOSION HAZARDS</b>	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.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Not applicable
<b>EMERGENCY PROCEDURES</b>	Not applicable
<b>ENVIRONMENTAL- PRECAUTIONS</b>	No data available
<b>CLEAN-UP PROCEDURES</b>	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.
<b>WASTE DISPOSAL METHOD</b>	Scoop up material and dispose in accordance with Federal, State, and local regulations. Do not burn.

## SECTION 7 – HANDLING AND STORAGE

<b>HANDLING PROCEDURES</b>	Use this product with adequate ventilation. When handling uncontained material, use personal protective equipment as described in Section 8 of this SDS.
<b>STORAGE PROCEDURES</b>	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.
<b>SPECIAL PACKAGING- MATERIALS</b>	No data available
<b>INCOMPATIBLE MATERIALS</b>	This product will react with strong oxidizing agents, reducing agents, strong acids and alkalis.
<b>OTHER PRECAUTIONS</b>	Do not breathe dusts or fumes generated from cutting or heating this material. Comply with OSHA and other safety standards and codes for roof work. Always use Fall Protection Systems when working on roofs. Product may be slippery when wet, dusty or covered with water, ice, dew, frost, or snow.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT:

#### RESPIRATORY- PROTECTION

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 NUMBER	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>	NE
Calcium Carbonate	Limestone	1317-65-3	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Organic Felt	Paper	NA	NE	NE
Coal Slag Fines	Slag	68476-96-0	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

**Note:**

NA = Not Available

NE = Not Established

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical Form</b>	Solid	Taste	No data available
<b>Appearance</b>	Sheet in roll form	Odor	Petroleum odor
<b>Color</b>	Black	Odor Threshold	No applicable
<b>Boiling Point</b>	>650 <sup>0</sup> F	Vapor Pressure	No data
<b>Melting Point</b>	>200 <sup>0</sup> F	Vapor Density	No data
<b>Freezing Point</b>	No data	Evaporation Rate	No data
<b>Specific Gravity</b>	Variable	VOC (Weight)	No data
<b>Density</b>	No data	VOC (Volume)	No data
<b>Bulk Density</b>	No data	Volatiles (Weight)	No data
<b>Viscosity</b>	No data	Volatiles (Volume)	No data
<b>pH (Undiluted Product)</b>	No data	Flash Point	>450 <sup>0</sup> F

<b>Water Solubility</b>	Insoluble	Flash Point Test Type	COC
<b>Solvent Solubility</b>	No data	Upper Explosion Limit	No data
<b>Partition Coefficient - Octanol / Water</b>	No data	Lower Explosion Limit	No data
<b>Molecular Weight</b>	No data	Auto Ignition	>860 <sup>0</sup> F
<b>Decomposition Temp.</b>	No data	Flammability (Solid, Gas)	No data

## SECTION 10 – STABILITY AND REACTIVITY

<b>THERMAL STABILITY</b>	Stable under normal conditions of use.
<b>HAZARDOUS-DECOMPOSITION</b>	Upon decomposition this product may form carbon dioxide, carbon monoxide, oxides of sulfur and various hydrocarbons during heating or burning.
<b>HAZARDOUS-POLYMERIZATION</b>	Will not occur.
<b>CONDITIONS TO AVOID</b>	Keep this product away from heat, sparks, ignition sources, and open flames in accordance with applicable laws and regulations.
<b>INCOMPATIBLE MATERIALS</b>	This product will react with strong acids and alkalis, strong oxidizing agents, reducing agents, and selected amines.

## 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. 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>	
<b>Asphalt</b> (CAS Number: 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).
<b>Oxidized Asphalt</b> (CAS Number: 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

<b>ECOTOXICITY</b>	No data available for this product
<b>PERSISTENCE/DEGRADABILITY</b>	No data available for this product
<b>BIOACCUMULATION-POTENTIAL</b>	No data available for this product
<b>MOBILITY IN SOIL</b>	No data available for this product
<b>OTHER ADVERSE EFFECTS-</b>	

**SECTION 13 – DISPOSAL CONSIDERATIONS**

<b>PRODUCT INFORMATION</b>	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.
<b>DISPOSAL INSTRUCTIONS</b>	Dispose of waste material in accordance with Federal, State, and Local environmental regulations.
<b>RCRA CLASS</b>	None

**SECTION 14 – TRANSPORT INFORMATION****U. S. DEPARTMENT OF TRANSPORTATION**

<b>Proper Shipping Name</b>	N/A
<b>Hazard Class</b>	N/A
<b>ID Number</b>	N/A
<b>Packing Group</b>	N/A
<b>Label Statement</b>	N/A
<b>Other</b>	N/A

**INTERNATIONAL TRANSPORT REGULATIONS:**

This product is not classified as dangerous goods according to international transport regulations.

<b>UN Number</b>	N/A
<b>UN Proper Shipping Name</b>	N/A
<b>Packing Group</b>	N/A
<b>Environmental Hazards</b>	N/A
<b>Transport in Bulk</b>	N/A
<b>Special Precautions</b>	N/A

**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** 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

**Section 311/312** Acute Health: Yes; Chronic Health: Yes

**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

**Note:**

TSCA	Toxic Substances Control Act
CERCLA	Comprehensive Environmental Response Compensation and Liabilities Act
SARA	Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III
Section 302	Extremely Dangerous Hazardous Substances
Section 311/312	Immediate health; Delayed health; Fire hazard
Section 313	Reportable Ingredients

**SECTION 16 – OTHER INFORMATION**

**DATE OF PREPARATION** November 11, 2019

**DATE OF LAST REVISION** January 16, 2019

**CHANGES SINCE LAST-REVISION**

- Removal of Crystalline Silica as a component in sections 3, 8, and 15
- Addition of Coal Slag Fines as a component in sections 3 and 8
- Removal of Crystalline Silica from the component analysis in Section 11
- Removal of California Prop 65 language in Section 15

**PREPARED BY** Tarco

**DISCLAIMER**

The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief, and are presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State, and Local laws. The supplier shall not be liable for any loss or damage arising out of the use thereof. The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to ensure the suitability and completeness of such information for a particular use. No information or recommendation shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.