



Product Name: TARAH MSR - 90

ISSUED: 15 SEP, 2009

SUPERSEDES: 02 JAN, 2006

## SECTION 1: MANUFACTURER/PRODUCT IDENTIFICATION

Product Name: Asphalt Roll Roofing Products

CAS#: Mixture/None Assigned

Generic Name: Asphalt Saturated and Coated Organic Felt Base Sheet Used in Roofing

Formula: Hydrocarbon Mixture

Chemical Name: Mixture

Manufacturer: TARAH ASPHALT PRODUCT

Telephone: (760) 776-5075

Address: 41-995 Boardwalk Suite A

Fax: (760) 776-5175

Palm Desert, CA 92211

### Trade Names:

TARAH BASE ASTM All Season, TARAH BASE ASTM Secure Grip

## SECTION 2: COMPOSITION

Component Name	%	CAS#	ACGIH	OSHA/PEL
Cellulose Felt Paper	8 - 9	9004-34-6	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Petroleum Asphalt	28 - 30	8052-42-4	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Slag, Sand or Talc Silica, Silica Sand	22 - 24	14808-60-7	1 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
<b>Roofing granules:</b>	40 - 42			
Potassium Feldspar		None	None	None
Quartz		14808-60-7	mg/m <sup>3</sup>	mg/m <sup>3</sup>
Plagioclase Feldspar		None	None	None
Sodium Silicate		1344-09-8	None	None
Kaolin		1332-58-7	2 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Cobalt Blue Pigment		1345-16-0	0.02 mg/m <sup>3</sup> TWA	None
Chromium Oxide (Trivalent Chromium)		1308-38-9	0.5 mg/m <sup>3</sup> TWA	0.5 mg/m <sup>3</sup> TWA
Hydrotreated Heavy Naphthenics Petroleum Distillates		64742-52-5	5 mg/m <sup>3</sup> TWA / CMRG	10 mg/m <sup>3</sup> TWA / CMRG
Carbon Black		1333-86-4	3.5 mg/m <sup>3</sup> TWA	3.5 mg/m <sup>3</sup> TWA
Rutile Titanium Oxide		1317-80-2	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )		1309-19-3	mg/m <sup>3</sup> TWA	mg/m <sup>3</sup> TWA
Zinc Ferrite		12063-19-3		
Alumina Trihydrate		21645-51-2		

*Note: Dues to product form, exposure to hazardous dusts is not expected to occur.*

*Exposure limits are given for reference only.*



## SECTION 3: HAZARD IDENTIFICATION

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### EMERGENCY OVERVIEW

**APPEARANCE AND ODOR:** Dark mat with asphalt odor.

Under normal conditions of use, this product is not expected to create any unusual emergency hazards.

In the event of fire, use normal fire fighting procedures to prevent inhalation of smoke and gases.

### Potential Health Effects Summary:

**Summary:** The primary hazard of this product is nuisance dust. However due to the large size of the particles, little exposure to airborne dust is expected. The petroleum asphalt fumes may cause respiratory irritation.

**Acute (Short Term) Health Effects:** Product dusts may mechanically irritate skin, eyes, and upper respiratory system by physically acting on those organs; no chemical irritation is expected. Irritation should be temporary.

**Chronic (Long Term) Health Effects:** This product contains crystalline silica (CS), talc, and asphalt. CS and talc are hazardous when inhaled, however inhalation of dust from this product is not likely to occur due to the product's intended use and form. When breathed over long periods of time, CS can cause silicosis and talc can cause pulmonary fibrosis; both are non-cancerous scarring of lung tissue that over many years to decades can make breathing increasingly more difficult. Asphalt fumes, which can be released from heated asphalt, may cause sleepiness, headache, sickness to stomach, and irritation of eyes, nose and throat.

## SECTION 4: FIRST AID MEASURES

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**Inhalation:** Remove to fresh air. Drink water to clear throat, and blow nose to remove dust.

**Skin:** Wash gently with soap and warm water to remove fibers. Wash hands before eating or using the restroom.

**Absorption:** N/A

**Ingestion:** Product is not intended to be ingested or eaten. If the product is ingested, irritation of the gastrointestinal tract may occur, and should be treated symptomatically. Rinse mouth with water to remove fibers, and drink plenty of water to help reduce the irritation. No chronic effects are expected following ingestion.



**Eye:** Do not rub or scratch your eyes. Dust particles may cause the eye to be scratched. Flush eyes with large amounts of water for 5 – 15 minutes. If irritation persists, contact a physician.

**Notes to Physician:** This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

## **SECTION 5: FIRE FIGHTING MEASURES**

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**Summary:** Burning product may produce thick black smoke. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

**Extinguishing Media:** Foam, carbon dioxide (CO<sub>2</sub>), dry chemical ABC rated.

### **Flammable Properties and Explosive Limits:**

**Flash Point:** N / A

**FP Test Method:** N/A

**Flame Classification:** Not determined

**Flame Propagation:** Not determined

**Lower Explosive Limit (LEL):** Not determined

**Upper Explosive Limit (UEL):** Not determined

**Autoignition Temperature:** Not determined

**Decomposition Temperature:** Not determined

## **SECTION 6: ACCIDENTAL SPILL/RELEASE MEASURES**

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### **Containment Procedures:**

Pick up large pieces. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dusts or use compressed air for clean-up. These procedures will help to minimize potential exposures.

### **Disposal:**

Wastes are not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR 261). Comply with state and local regulations for disposal of asphalt roofing products. If you are unsure of the regulations, contact your Local Public Health Department, or the Office of the Environmental Protection Agency (EPA).

## SECTION 7: HANDLING AND STORAGE

**Storage Handling:** Material should be kept dry, stored in an upright position, and protected from the elements.

**Conditions to avoid:** Avoid direct exposure to very high heat or flame and oxidizer.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Summary:**

Protective equipment should be provided as necessary to prevent irritation of the throat, eyes and skin, and to kept exposures below the applicable exposure limits identified in Section 2.

**Eye:** Avoid eye contact. Safety glasses with side shields are recommended to keep material out of the eyes.

**Skin:** Leather or cotton gloves are optional.

**Respiratory:** Is exposed to excessive dust or if asphalt is heated, wear a NIOSH / OSHA approved respirator.

**Ventilation:** No special ventilation systems are required when using this product.

The need for ventilation systems should be evaluated by a professional industrial hygienist for indoor storage areas, while a professional engineer must conduct the design of specific ventilation systems.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling point (°F/°C):</b>	>700°F / 370°C
<b>Melting Point:</b>	N A
<b>pH:</b>	N A
<b>Saturation in Air (%):</b>	N A
<b>Solids Content:</b>	N A
<b>Specific Gravity (Water = 1):</b>	1.2 – 1.6
<b>Vapor Density (Air =1):</b>	N A
<b>Viscosity:</b>	N A
<b>VOCs (g/liter):</b>	N A
<b>Volatile by Volume (%):</b>	0
<b>Water Solubility:</b>	0
<b>Appearance and Odor:</b>	Dark mat. Asphalt odor.



## **SECTION 10: STABILITY AND REACTIVITY**

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**Stability:** The product is stable.

**Incompatible materials:** Strong oxidizing agents, reducing agents, strong acids and alkalis.

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** None.

## **SECTION 11: ECOLOGICAL INFORMATION**

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**Ecotoxicity:** This product has not been tested.

## **SECTION 12: DISPOSAL CONSIDERATIONS**

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**Summary:** The U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations does not regulate this product as a hazardous waste. Comply with state and local regulations for disposal. If you are unsure of the regulations, contact your local Public Health Department, or the local office of EPA.

## **SECTION 13: TRANSPORT INFORMATION**

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**Transportation Summary:** This product is not regulated as a hazardous material for transport.

**Disclaimer:** The information set forth above is based on information that Tarah Asphalt Product believes to be accurate. Not warranty, express or implied, is intended. The information is provided solely for your information and considerations and Tarah assumes no legal responsibility for use or reliance thereon.