



# Weldon Materials, Inc.

## PREMIUM PAVEMENT SEALER (Texturized Sandmix)

### SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

|  |  |
|--|--|
| <b>Product identifier</b>  | Premium Pavement Sealer (Texturized Sandmix)   |
| Chemical Name  | Mixture  |
| CAS No.  | Mixture  |
| Trade Name(s)  | Blacktop coating / sealant, Asphalt emulsion   |
| <b>Relevant identified uses of the substance or mixture and uses advised against</b> |  |
| Identified Use(s)  | Blacktop pavement coating / sealant  |
| Uses Advised Against   | None.  |
| <b>Details of the supplier of the safety data sheet</b>                              |  |
| Company Identification   | Weldon Materials<br>141 Central Ave<br>Westfield, NJ 07090   |
| Telephone  | 908-233-4444   |
| <b>Emergency telephone number</b>  |  |
| Emergency Phone No.  | Not classified as dangerous for transport. Please contact the supplier above during normal business hours. |

#### SECTION 2: HAZARDS IDENTIFICATION

|   |  |
|---|--|
| <b>Classification of the substance or mixture</b> |  |
| OSHA HCS (29 CFR 1910.1200) / GHS Classification  | Not classified as dangerous for supply/use.  |
| <b>Label elements</b>                             |  |
| Hazard Symbol                                     | None   |
| Signal Word(s)                                    | None   |
| Hazard Statement(s)                               | None   |
| Precautionary Statement(s)                        | None   |
| <b>Other hazards</b>                              | May cause eye irritation.<br>Fumes may cause upper respiratory irritation (nose & throat).<br>Skin contact may increase susceptibility to sunburn.<br>Mechanical disruption (e.g., milling, cutting, chipping) of cured asphalt pavement may release crystalline silica dust from the aggregate. |
| <b>Additional Information</b>                     | Avoid breathing dust/fume/gas/mist/vapors/spray.<br>As necessary, Wear protective gloves/protective clothing/eye protection/face protection.<br>Wash hands and exposed skin after use.   |



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Composition/information on ingredients | % wt.   | CAS No.    |
|--|---------|------------|
| Petroluem asphalt / bitumen ^          | 20 - 35 | 8052-42-4  |
| Mineral Filler                         | 10 - 20 | 8008-20-6  |
| Sand                                   | 10 -20  | 14808-60-7 |
| Polymer blend                          | 30 - 45 | 25586-20-3 |
| Water                                  | 2 - 5   | 7732-18-5  |

^Contains: <0.1% of 3 - 7 ring Polycyclic Aromatic Hydrocarbons (PAHs).

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. Please see Section 8 of SDS for more details.

- Product Contains: <0.1% inhalable-sized crystalline silica (inherent in the mineral filler).

**Additional Information** - None

### SECTION 4: FIRST AID MEASURES



#### Description of first aid measures

|   |   |
|---|---|
| Inhalation  | Not normally required. Move person to fresh air. Apply artificial respiration if necessary. If symptoms persist, obtain medical attention.  |
| Skin Contact  | Gently wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.   |
| Eye Contact   | Flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention. |
| Ingestion   | Not normally required. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.   |
| <b>Most important symptoms and effects, both acute and delayed</b>                | None known  |
| <b>Indication of any immediate medical attention and special treatment needed</b> | None known  |

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

|                                 |  |
|---------------------------------|--|
| -Suitable Extinguishing Media   | Extinguish with carbon dioxide, dry chemical, foam or water spray. |
| -Unsuitable Extinguishing Media | None anticipated.  |



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**Special hazards arising from the substance or mixture**

Combustion causes toxic fumes. Combustion products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides

**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

**Environmental precautions**

Not normally required.

**Methods and material for containment and cleaning up**

Not normally required.

**Reference to other sections**

None

**Additional Information**

None.

### SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities**

- Storage temperature
- Incompatible materials

Store at temperatures not exceeding the product's flash point.  
Strong oxidizing agents.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational Exposure Limits**

| SUBSTANCE.                                  | CAS No. | (8hr TWA)                                       |                          | (STEL)     |             | Note:     |
|---|---------|---|--------------------------|------------|-------------|-----------|
|   |         | PEL (OSHA) *                                    | TLV (ACGIH)              | PEL (OSHA) | TLV (ACGIH) |           |
| Asphalt fume                                | -----   | -----   | 0.5 mg/m3 <sup>(1)</sup> | -----      | -----       | See below |
| Crystalline Silica (respirable particulate) | -----   | $\frac{10 \text{ mg/m}^3}{\% \text{SiO}_2 + 2}$ | 0.025 mg/m3 ^            | -----      | -----       | See below |

<sup>(1)</sup> Inhalable benzene-soluble fraction; ^Suspected Human Carcinogen; \*Refer to OSHA 29 CFR 1910.1000 & 29 CFR 1926.55; 8hr TWA = 8 hour time-weighted average; STEL = Short Term Exposure Limit. A3=Confirmed Animal Carcinogen.

**Recommended monitoring method**

NIOSH 5042 (asphalt fume), NIOSH 7500 (Crystalline Silica)

**Exposure controls**

**Appropriate engineering controls**

Use only outdoors or in a well-ventilated area.

**Personal protection equipment**

Eye/face protection

The following to be used as necessary: Safety Glasses





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Skin protection (Hand protection/ Other)



Wear protective gloves (Nitrile rubber). Check with protective equipment manufacturer's data.

Respiratory protection



Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

Do not discharge waste and/or cleaning water via public sewer system. Ensure waste is collected and contained.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

|  |  |
|--|--|
| Appearance                               | Liquid   |
| Color.                                   | Dark brown / Black                               |
| Odor                                     | Asphalt / Bitumen                                |
| Odor Threshold (ppm)                     | Not available.                                   |
| pH (Value)                               | 6.5 - 8.0  |
| Melting Point (°C) / Freezing Point (°C) | ~ 0 (32 °F)                                      |
| Boiling point/boiling range (°C):        | > 100 (>212 °F)                                  |
| Flash Point (°C)                         | > 232 (> 450 °F)                                 |
| Evaporation Rate                         | Not available.                                   |
| Flammability (solid, gas)                | Not applicable.                                  |
| Explosive Limit Ranges                   | Not applicable.                                  |
| Vapor pressure (Pascal)                  | Not determined.                                  |
| Vapor Density (Air=1)                    | Not determined.                                  |
| Density (g/ml)                           | 1.3 - 1.5  |
| Solubility (Water)                       | Negligible                                       |
| Solubility (Other)                       | Not known  |
| Partition Coefficient (n-Octanol/water)  | Not available.                                   |
| Auto Ignition Point (°C)                 | Not available.                                   |
| Decomposition Temperature (°C)           | Not available.                                   |
| Kinematic Viscosity (cSt) @ 40°C         | Not available                                    |
| Explosive properties                     | Not explosive.                                   |
| Oxidizing properties                     | Not oxidizing.                                   |
| <b>Other information</b>                 | MAX VOC: < 10 g/L; % Volatile (by Wt.): 35 - 40% |

### SECTION 10: STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                         | Stable under normal conditions.   |
| <b>Chemical stability</b>                 | Stable.   |
| <b>Possibility of hazardous reactions</b> | May react violently with: Strong oxidizing agents   |
| <b>Conditions to avoid</b>                | Incompatible materials  |
| <b>Incompatible materials</b>             | Oxidizers   |
| <b>Hazardous decomposition product(s)</b> | Combustion causes toxic fumes. Combustion products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides |



## PREMIUM PAVEMENT SEALER (Texturized Sandmix)

### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Information on toxicological effects**

Petroleum Asphalt / Bitument (CAS No. 8052-42-4):

|                        |   |
|------------------------|---|
| Acute toxicity         | LD50 (rat): >5000 mg/kg bw<br>LD50 (dermal): >2000 mg/kg bw<br>LC50 (inhalation, fume): >94.4 mg/m <sup>3</sup> |
| Irritation/Corrosivity | Not to be expected  |
| Sensitization          | Not to be expected  |
| Repeated dose toxicity | NOAEL(rat): 28 mg/m <sup>3</sup><br>LOAEL (rat): 149 mg/m <sup>3</sup>  |
| Carcinogenicity        | Not to be expected at typical road paving temperatures.   |

| NTP | IARC  | ACGIH | OSHA |
|-----|-------|-------|------|
| No. | Yes.* | No.   | No.  |

Mutagenicity Not to be expected.

Reproductive toxicity Not to be expected.

Other information \* IARC (2013, volume 103) identifies that "occupational exposures to straight-run bitumens and their emissions during road paving are possibly carcinogenic to humans (Group 2B)." However, classification as a carcinogen under OSHA 29 CFR 1910.1200 is not warranted given the absence of positive cancer findings in human epidemiological studies and in cancer studies with laboratory animals when exposed dermally or by inhalation to asphalt products or fume condensates that are typical of road paving applications. IARC (2013, volume 103) also identifies that "occupational exposures to oxidized bitumens and their emissions during roofing are probably carcinogenic to humans (Group 2A)." Roofing shingles, which are considered an article under OSHA 29 CFR 1910.1200, are sometimes recycled into road paving asphalt mix. Emissions from oxidized bitumen, e.g., from shingles, at road paving temperatures are not expected to be qualitatively different than emissions from straight-run bitumens, and therefore would not warrant a carcinogen classification under OSHA 29 CFR 1910.1200.

Crystalline Silica (quartz and cristobalite)

|                        |  |
|------------------------|--|
| Acute toxicity         | LD50 (rat): >5000 mg/kg bw<br>LD50 (dermal): >2000 mg/kg bw<br>LC50 (inhalation, fume): >94.4 mg/m <sup>3</sup> - Causes damage to organs: Lungs (silicosis) |
| Irritation/Corrosivity | Not to be expected   |
| Sensitization          | Not to be expected   |
| Repeated dose toxicity | Causes damage to organs through prolonged or repeated exposure: Lungs (silicosis)  |
| Carcinogenicity        | May cause cancer. Lungs  |

| NTP | IARC | ACGIH | OSHA |
|-----|------|-------|------|
| No. | Yes. | A2    | Yes. |

Mutagenicity Not to be expected.

Reproductive toxicity Not to be expected.



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### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Short term

LL50 (48 hour): >100 mg/l (Fish)  
LL50 (48 hour): >100 mg/L (Aquatic Invertebrates)  
EL50 (48 hour): >100 mg/L (Aquatic Plants)

Long Term

No data

#### Persistence and degradability

The product is poorly biodegradable.

#### Bioaccumulative potential

The product has low potential for bioaccumulation.

#### Mobility in soil

The product has low mobility in soil.

#### Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

#### Other adverse effects

None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

#### Additional Information

None known.

### SECTION 14: TRANSPORT INFORMATION

**Ground or Water Domestic Voyage (DOT):** Not classified as dangerous for transport.

### SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or exempt.

**RCRA Hazardous Waste Number (40 CFR 261.33):** None

**US RCRA Hazard Class:** Not applicable.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

| Chemical Name | CAS No. | Typical %wt. | RQ (Pounds) |
|---------------|---------|--------------|-------------|
| None          | -----   | -----        | -----       |

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

Fire  Sudden Release  Reactivity  Immediate (acute)  Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):**

| Chemical Name | CAS No. | Typical %wt. |
|---------------|---------|--------------|
| None          | -----   | -----        |

**SARA 302 - Extremely Hazardous Substances(40 CFR 355):**

| Chemical Name | CAS No. | Typical %wt. | TPQ (pounds) |
|---------------|---------|--------------|--------------|
| None          | -----   | -----        | -----        |



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### SECTION 16: OTHER INFORMATION

#### Additional Information

The following sections contain revisions or new statements: 1-16.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. The manufacturer gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. The manufacturer accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.