# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT SOURCE AND IDENTITY

<table>
<thead>
<tr>
<th>Supplier identity and address</th>
<th>Product description</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Seal, LLC</td>
<td>Top Seal</td>
<td>Sept. 4, 2008</td>
</tr>
<tr>
<td>2508 Decatur Ave.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fort Worth, TX 76116</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax Number: 817-744-8097</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name:</th>
<th>Purpose:</th>
<th>Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Seal</td>
<td>Seals and protects asphalt from weathering</td>
<td>TS TS</td>
</tr>
<tr>
<td>Proprietary Formula</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## SECTION 2 - SHIPPING CLASSIFICATION

- Proper Shipping Name, Hazard Class, UN/NA Number, Packing Group, Emergency Response Guide Number
  - Not regulated

- Labels required per 49 CFR 172.101: None
- Size for "Limited quantity" per 49 CFR 173.150-4: Not applicable
- Reportable Quantity ("RQ") per 49 CFR172.101: None or not possible in one non-bulk package

## SECTION 3 - SAFETY RATINGS AND HAZARDOUS INGREDIENT INFORMATION

### Exposure Limit Values

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Material or Component</th>
<th>RQ#</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt (Bitumen) as fume, if formed</td>
<td>None</td>
<td>0.5 mg/m3</td>
<td>None</td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethanol A4</td>
<td>None</td>
<td>1000 ppm</td>
<td>None</td>
</tr>
</tbody>
</table>

Contains emulsified asphalt and mineral reinforcing components in a non hazardous water base.

Product also contains anionic or cationic emulsifiers which may cause skin or eye irritation, for which no exposure limits have been established.  A4= Not Classifiable as a Human Carcinogen

No component is listed in "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 2008" from ACGIH except as noted above.  Components listed in TITLE III SEC 313 (EPCRA) are indicated by "Yes" above.

**Note:** The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product.  It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components.  Users who require this information are referred to primary suppliers of the ingredients of interest.

**Emergency overview:** Emulsion of non volatile hydrocarbons.  Avoid contact with skin and eyes.  Flush off immediately after contact.  If swallowed, do not induce vomiting.

### Hazard Categories:

- Health: Yes, No
- Fire: No, XXX
- Pressure: No, XXX
- Reactivity: No, XXX

### HMIS Hazard ratings:

- Health: 1
- Fire: 0
- Instability: 0
- Other: B (Glasses, gloves)

### NFPA 704 Hazard Ratings:

- Health: 1
- Flammability: 0
- Reactivity: 0
- Special NA

**Note:** HMIS and NFPA ratings are subjective evaluations of hazards and can differ between preparers.  They are intended and useful only as a rapid approximation of the hazards rated.

Threshold limit value: Not established on product.

### TOSCA Status:

- All ingredients listed
- CERCLA RQ: See Sec 2.

California Prop. 65: Ethanol

Ingredients on cancer lists: None at reportable levels.

Reproductive implications: None at these levels.

## SECTION 4 - PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

- Somewhat viscous dark brown liquid

### Odor:

- Asphaltic

### Specific gravity:

- >1

### pH reaction:

- Neutral

### % phosphorous:

- None

### Solubility in water:

- Disperses

### VOC Content:

- Approx. 50 g/l

California Rule 102 (66):

- Contains no photo chemically active materials.
**SECTION 5 - SAFE HANDLING AND STORAGE**

**General**

**Protective equipment**

**Eyes**  Safety glasses or goggles should be worn if there is possibility of eye contact.

**Skin**  Impermeable gloves such as rubber, PVC or neoprene are recommended.

**Respiratory protection**  None normally required. If risk of inhalation occurs, select and use equipment according to OSHA/NIOSH guidelines for nuisance mists.

**Ventilation**  A well ventilated work environment is recommended.

**Other**  None

**SECTION 6 - HEALTH SAFETY DATA**

**Effects of acute or chronic over exposure**

**Eyes**  Irritating to eyes. No chronic effects known.

**Skin**  Can cause irritation from repeated exposure.

**Inhalation**  Mists may be irritating to breathing passages.

**Ingestion**  Not a likely source of chronic exposure.

**SECTION 7 - PHYSICAL STABILITY AND REACTIVITY DATA**

**Explosive limits**

<table>
<thead>
<tr>
<th>Upper</th>
<th>Lower</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**Flash point:**
See Sec 4

**Conditions to avoid:**  None known

**Chemical stability**

<table>
<thead>
<tr>
<th>Hazardous decomposition products:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known</td>
</tr>
</tbody>
</table>

**Incompatibility:**  None known

**Polymerization**  Cannot occur

**SECTION 8 - EMERGENCY RESPONSE PROCEDURES**

**Fire**

**Extinguishing media**  Use equipment appropriate to the main cause of the fire.

**Special procedures**  None

**Unusual hazards**  None

**First Aid**

**Eyes**  Flush with water for at least 15 min. Seek medical attention. See Sec. 6.

**Skin**  Wash exposed skin with soap and water until gone. Remove affected clothes rinse off product and wash clothes before reuse.

**Inhalation**  If affected, remove individual to fresh air, get medical attention at once if there is any discomfort.

**Ingestion**  Dilute by giving large amounts of milk or water. Get medical attention immediately. Do not induce vomiting.

**Spills**

<table>
<thead>
<tr>
<th>Small / large spill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comply with federal, state and local regulations on reporting spills.  Keep out of waterways and storm sewers.</td>
</tr>
</tbody>
</table>

Product as made does not qualify as an "Unlisted Hazardous Waste" for disposal situations.

Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Since conditions of use are beyond our control we make no warranties, expressed or implied.

MSDS prepared by: R.N. Miller 1-800-342-3577