

# GRIP-FLEX

Thermoplastic Coal-Tar Emulsion (Slurry Seal)

## Material Safety Data Sheet

Ameriseal of Ohio P.O.Box 95 Smithville, OH 44677 (330)-669-3441

### Product Identification

<b>Trade Name:</b>	GRIP-FLEX	<b>Hazard Rating:</b>		
<b>Code Number:</b>	7097	4 = extreme	<b>Special:</b>	-
<b>Chemical Family:</b>	Coal Tar Pitch Emulsion	3 = high	<b>Toxicity:</b>	2
<b>Date Issued:</b>	4-15-91	2 = moderate	<b>Fire:</b>	0
<b>Supersedes:</b>	2-18-90	0 = insignificant	<b>DOT Class:</b>	NR

### Component Information

No.	Chemical Names	CAS Reg. No.	Amount	TWA/TLV (PPM)
1	Coal tar bitumen	68187-57-5	major	0.2Mg M <sup>3</sup>
2	Water	7732-18-5	major	none none
3	Nitrile copolymer	9003-18-3	minor	none none
4	Clay	14807-96-6	minor	none none
5	Calcium Chloride	10043-52-4	less than 1%	none none
6	Amine Blend	-	less than 1%	NR NR

### Physical Property Information

**Appearance:** Viscous liquid, black color, mild odor.

**Viscosity:** 2,000 – 4,000 cps

**Melting or freezing point:** 0° C. / 32° F. (water)

**Vapor Pressure (mm Hg):** 17 @ 20° C. / 68° F. (water)

**Solubility in Water:** Dilutable

**Specific Gravity (water = 1):** 1.13

**Boiling Point:** 100° C. / 212° F. (water)

**Vapor Density (air = 1):** lower (water)

**Percent volatile (by weight):** 46 – 54% (water)

**Evaporation rate (water = 1):** 1 (water)

### Emergency Response Information

#### First Aid Procedures

**Inhalation:** Move subject to fresh air.

**Eye contact:** Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

**Skin Contact:** Wash affected skin area thoroughly with soap and water. Consult a physician if irritation persists. Treat sunburn symptomatically.

**Ingestion:** If swallowed, induce vomiting to prevent further absorption. Consult a physician. Never give anything by mouth to an unconscious person.

### Fire Fighting Information

**Flash Point:** None

**Auto Ignition temp.:** None

**Lower explosion limit:** N/A

**Upper explosion limit:** N/A

**Unusual Hazards:** Material will not burn, but may splatter above 100° C. / 212° F. Dry film can burn.

**Extinguishing Agents:** Use extinguishing media appropriate for surrounding fire. Use water, fog, and sand, CO<sub>2</sub>, foam or dry chemicals.

**Protective Equipment:** Wear self-contained breathing apparatus (pressure-demand), MSHA/NIOSH approved or equivalent) and full protective gear.

**Spill or leak handling information:**

Keep spectators away. Floor may be slippery; use care to avoid falling. Wear respirator (pressure-demand, self-contained breathing apparatus, MSHA/NIOSH approved or equivalent) for large spills in confined area. Dike and contain spill with inert material (e.g., sand, earth). Transfer diking material to containers for recovery or disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

**Waste disposal methods:**

Allow water to evaporate and dispose dried solids by incinerating or burial in accordance with local, state, and federal regulations. May be subject to hazardous waste regulations in certain jurisdictions.

**Health Hazard Information**

**Inhalation:** Vapor or mist can cause headaches, nausea, irritation of the nose, throat and lungs.  
**Skin Contact:** May cause irritation upon repeated or prolonged contact. Prolonged exposure to skin may lead to dermatitis, may sensitize skin to sunlight and cause sunburn-like reaction and may cause skin cancer.  
**Eye Contact:** Can cause irritation, inflammation, conjunctivitis, and possible abrasion of the cornea.

**Reactivity Information**

This product is considered stable. Polymerization will not occur. There are no known materials which are incompatible with this product.

**Personal Protection Information**

**Ventilation:** Explosion-proof local exhaust ventilation at point of contaminant release.  
**Respiratory:** None required if good ventilation is maintained. Otherwise, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent).  
**Protective Gloves:** Impervious type.  
**Eye Protection:** Chemical splash goggles (ANSI Z-87.1 or approved equivalent).  
**Other Protection:** Eyewash stations, safety showers. Use protective cream (sun screening type) for working under the sun.

**Storage and Handling**

Keep from freezing and extreme heat to protect quality of the product.

**Other Information**

N/A = Not Applicable

NR = Not Required

ACGIH = American Conference of Governmental Industrial Hygienists

OSHA = Occupational Safety and Health Administration

TLV = Threshold Limit Value

TWA = Time Weighted Average

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