

# MATERIAL SAFETY DATA SHEET

## DAUBERT CHEMICAL COMPANY

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## HMS HAZARD RATING

HEALTH	1
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	X

Date of Review: February 28, 2013 Revised: January 12, 2007  
Date of Preparation: April 4, 2000 By: M. Longo

### SECTION I: PRODUCT IDENTIFICATION

Product Name: **Yoder Truck & Bus Undercoating (water-based)**  
General or Generic ID: **Asphalt Emulsion**

### SECTION II: HAZARDOUS INGREDIENTS

Component	Wt. %	Recommended Exposure Limits
Asphalt CAS #8052-42-4	42-50	ACGIH TLV: 5 mg/m <sup>3</sup> OSHA PEL: 5 mg/m <sup>3</sup>
Proprietary Non-Hazardous Surfactant	<2	None Established
Clay, Bentonite* CAS #1302-78-9	<8	None respirable
Heavy Hydro treated Mineral Oil CAS #64741-44-2	<3	ACGIH TLV: 5 mg/m <sup>3</sup> OSHA PEL: 5 mg/m <sup>3</sup>

\*Fillers are encapsulated and can not generate air borne dust during application.

### SECTION III: HAZARDS IDENTIFICATION

**Eye:** Conjunctivitis, irritation, and tearing.

**Skin:** Prolonged contact temperatures may result in irritation or inflammation. Allergic skin reactions may occur on occasion and the skin may become sensitized.

**Ingestion:** May cause nausea, vomiting.

**Chronic Effects:** Some asphalt solutions have produced skin cancer in laboratory animals. The activity of test materials varies widely, but the activity in general, is weak. Based on the skin painting data, IARC has concluded that there is sufficient evidence for carcinogenicity of asphalts, diluted, dissolved, or liquefied in solvents, in laboratory animals. Workers, therefore, who practice poor personal hygiene and who are repeatedly exposed by

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direct skin contact to petroleum asphalts over many years, may potentially be at risk of developing skin cancer. Intermittent or occasional skin contact with petroleum asphalts is not expected to have serious health effects as long as good personal hygiene measures, such as those outlined in this Material Safety Data Sheet, are followed. In addition, asphalt vapors may contain polycyclic aromatic hydrocarbons, some of which are known to be carcinogenic. Therefore, prolonged breathing of vapors should be avoided.

**Special Remarks:** Some asphalts may contain hydrogen sulfide (CAS #7783-06-4) ACGIH TLV = 10ppm. Hydrogen Sulfide (HS) may accumulate in storage tanks and bulk transport compartments containing asphalts. Prolonged breathing of low levels of HS will produce eye/respiratory tract irritation; extremely high levels (1000 ppm) can cause unconsciousness/death.

**Carcinogenicity:** Asphalt solutions are considered to be animal carcinogens by IARC.

**Other Health Effects:** Avoid prolonged and repeated contact with skin.

### SECTION IV: FIRST AID MEASURES

**Eye:** Flush with large amounts of water immediately. Eye lids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

**Skin:** Prolonged contact may cause slight irritation. Wash with soap and water. Get medical attention if irritation persists.

**Ingestion:** May cause nausea, vomiting, contact a physician immediately.

### SECTION V: PHYSICAL DATA

Appearance	Brown thixotropic gel
Odor	Mild or Faint Petroleum
Initial Boiling Point (° F)	200-220° F
Vapor Pressure (mm Hg)	760@ 212 °F
Vapor Density (Air = 1)	> 1
Solubility in Water	Dispersible
Specific Gravity (H <sub>2</sub> O = 1)	.95-1.05
Volatiles (wt %)	48-53
Evaporation (Ether = 1)	
Viscosity (Brookfield RVT)	15,000 – 20,000 cps. (TB @ 5 RPM) (Typical)
Auto Ignition Temperature	NA
pH	Not Applicable

### SECTION VI: FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** NA (Water based)

**Flammable Explosion Limits:** NA

Fire extinguishing media: NA

Special Fire Hazards and Fire Fighting Procedures: NA

### SECTION VII: ACCIDENTAL RELEASE MEASURES

Dike spill area, recover free liquid, and return to container. Add absorbent to spill area.

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