

MATERIAL SAFETY DATA SHEET**SECTION 1 - PRODUCT SOURCE AND IDENTITY**

Supplier identity and address	Product description:	Date: Sept. 4, 2008
Top Seal, LLC 2508 Decatur Ave. Fort Worth, TX 76116	Name: Top Seal Purpose: Seals and protects asphalt from weathering Proprietary Formula Code: TS TS	
Fax Number: 817-744-8097	Product information:	817-744-8098

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 CFR 172.101:	None or not possible in one non-bulk package

SECTION 3- SAFETY RATINGS AND HAZARDOUS INGREDIENT INFORMATION

Reporting required by Title III Sec 313, 40 CFR 372, 29 CFR 1910.1200		Exposure Limit Values			
CAS#	313	Material or Component	RQ#	TWA	STEL
8052-42-4	No	Asphalt (Bitumen) as fume, if formed	None	0.5 mg/m ³	None
64-17-5	No	Ethanol A4	None	1000 ppm	None

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	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Immediate	Yes	No	No	No	
Delayed	No	XXX	XXX	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

Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

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	Flash point deg. F (cc):	None
Odor: Asphaltic	Initial boiling point deg. C:	ND
Specific gravity: >1	Vapor pressure 20 deg C:	ND
pH reaction: Neutral	Freezing point deg. C:	ND
% 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	Keep covered when not in use. Follow label directions for application. Keep away from children. Use standard industrial good practices. Recover spilled material for use.
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	Flash point:	See Sec 4
Upper None	Lower None	Conditions to avoid: None known
Chemical stability	Stable	Hazardous decomposition products: None known
Hazardous polymerization	Cannot occur	Incompatibility: None known

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	Small / large spill	Comply with federal, state and local regulations on reporting spills. Keep out of waterways and storm sewers.

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

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