

MATERIAL SAFETY DATA SHEET COAL TAR SEALERS

SECTION 1 - IDENTITY

Identity as used on label

Velvetop Super Pavement Sealer

Telephone Number for
Information: 631-427-5904

Manufacturer's Name:
Velvetop Products

Emergency Telephone Number:
631-427-5904

Address:
1455 New York Avenue
Huntington Station, NY 11746

Date Prepared: 2009

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Components:

Refined Coal Tar:	Cas#65996-93-2 @30-33%
OSHA Final Limits:	TWA = 0.2 mg/m ³
ACGIH (TLV):	TWA = 0.2 MG/M ³
STEL:	N/A
LC50:	N/A
LD50:	N/A

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100-425 degrees
Specific Gravity (h ₂ o +1)	(1.154) 1.298
Vapor Pressure (mm Hg)	@20 C=O @200 C=5.15mm
Percent Volatile by Volume	Not Determined
Melting Point	Not Applicable
Vapor Density (air =1)	>1
Evaporation Rate (butyl acetate=1)	<1
Solubility in Water	Dispersible, Not Soluble pH 7.4
Appearance and Odor	Black, Creosote Odor

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point	Greater than 200 degrees (PMCC)
Flammable	Limits Not Applicable
Note:	Product is a aqueous dispersion and does not support combustion.
LEL	Not Applicable
UEL	Not Applicable
Extinguishing Media	Dry Chemical, Foam CO2 or water fog
Special Fire Fighting Procedures	Wear Respirator and full protective gear Cool exposed containers with water spray to prevent steam buildup.
Unusual Fire and Explosion Hazards	Containers may rupture due to steam pressure.

SECTION 5 - REACTIVITY DATA

Stability	Stable
Conditions to avoid	Not Applicable
Incompatibility	Not Applicable
Hazardous Decomposition or byproducts	When burned, toxic fumes may be emitted
Hazardous Polymerization	Will Not Occur

SECTION 6 - HEALTH HAZARD DATA

Effects of Overexposure: Routes of entry, health hazards (acute & chronic), emergency & first aid procedures:

Inhalation: Unlikely to occur in finished product. Spray mist can irritate the respiratory tract. Prolonged exposure to airborne mist concentrations significantly beyond workplace exposure limits could cause respiratory difficulty. In case of over exposure remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.

NOTE: There is no foreseeable risk of workers' inhaling solid constituents of this mixture.

Eye Exposure: Spray mist or liquid can irritate the eyes. Burning sensation, tearing, photophobia, redness and swelling may occur. Repeated or pro-longed exposure may cause permanent eye damage. Flush eyes immediately with water for 15 minutes.

Skin Exposure: Spray mist or liquid can irritate dermatitis, including acne. Coal tar is a phototoxic substance which in the presence of sunlight will cause a skin reaction similar to a severe sunburn. Flush with water to remove product. Remove any residual material with waterless hand cleaner, then follow with soap and water. Do not use solvents to remove product from skin.

SECTION 6 - HEALTH HAZARD DATA continued

Ingestion: Liquid can cause gastrointestinal irritation, nausea and vomiting. In case of ingestion and victim is alert, give 1 or 2 glasses of water or milk. Induce vomiting with syrup of ipecac as directed on label. After vomiting give victim a slurry of 100 grams (2 tablespoons) of activated charcoal (USP drug grade) in 8oz of water.

Additional Health Data:

Carcinogenicity Determinations:

This product contains refined coal tar. IARC Monographs (Volume 35) states that there is sufficient evidence that coal tar pitches are carcinogenic in humans. Additionally, there is sufficient evidence that occupational exposure to coal tars as it occurs during the destructive distillation of coal (coking) is casually associated with the occurrence of skin cancers in humans. Note-many of the original determinations as to the classification of coal tar as a carcinogen were based on hot liquid products such as hot roofing tar. A separate determination on cold applied water based coal tar sealers has not been undertaken.

Prolonged and repeated skin exposure over many years in the absence of recommended hygiene practices may lead to changes in skin pigmentation, benign skin growths, and may, in some cases result in skin cancer.

Medical Conditions possibly aggravated by exposure:

Persons with a history of liver, kidney, skin or respiratory disease or exposure to materials harmful to these systems are at a greater than normal risk of developing adverse health effects when working with coal tar products.

Note:

No known ingredients which occur at greater than 0.1% other than those listed above, are listed as a carcinogen in the IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, the NTP Annual Report on Carcinogens or OSHA 29 CFR 1910 1001-1047 subpart Z Toxic and Hazardous Substance (Specifically Regulated).

A Koppers Industries, Inc. Study titled "Using Refined Coal Tar Emulsions Safely". 1991, found all emissions during manufacture and application of coal tar emulsions to be well below occupational health exposure limits.

The hazard determinations of this product are based on information from one or more of the following: hazards of similar products, hazards of the ingredients, and/or technical literature. Some of the physical tests, such as the flash point, may have been performed on this product.

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SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Spill Response:

Absorb spill with inert material, then place in waste container. Observe government regulations. If possible material should be dried out prior to disposal. Call Chemtree if a transportation spill. 800-424-9300

Waste Disposal Methods:

Dispose of as on industrial waste in accordance with local, state, and federal regulations. *This Product has been classified **NON HAZARDOUS** in both emulsion (wet) and dried film according to EPA Method 130 (TCLP).*

Precautions to be Taken in Handling and Storing:

Do not allow to freeze. Store in tightly closed container at between 40-100 F.

Other Precautions:

Avoid skin contact. Keep out of reach of children.

SECTION 8 - CONTROL MEASURES

Respiratory Protection (Specify Type)	None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.
Local Exhaust	For Exterior, Open air use only
Mechanical (General)	Not applicable.
Protective Gloves	Yes Latex or neoprene rubber
Eye Protection	Safety Glasses, Goggles & Face Shield
Other Protection	Minimize Skin Exposure, Use Protective Creams
Work/Hygienic Practices	Maintain good Hygiene

SECTION 9 - COMMENTS

Regulatory Status: This product is not known to appear on EPA's Lists of Toxic or Hazardous Substances or on SABA 314 toxic chemicals list.

The data in this Material Safety Data Sheet relates only to the specific material designed herein and does not relate to use in combination with any other material or in any process. The information and recommendations contained herein are based upon data believed to be correct, however, most originated at independent governmental or private sources or in the scientific literature and over a considerable time span, during which sophistication equipment procedures, etc., knowledge, and changes in the law occurred. The information is offered as a convenience only for use in recipient's own independent verification and/or investigation. Since conditions of use are outside our control, we make no warranties, expressed or implied, including accuracy, adequacy, and suitability of the information and assume no liability in connection with any use of this information. It is intended for persons of appropriate knowledge, skill and training, who in choosing to apply said information, with or without independent verification, do so at their own risk. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents. Any use of this data and information must be determined by the user to be in accordance with federal, state and local laws and regulations.