

MATERIAL SAFETY DATA SHEET

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PRODUCT: # 223 Asphalt Emulsion Driveway Sealer

SECTION 1 PRODUCT IDENTIFICATION

Trade Name: Asphalt Emulsion Driveway Sealer
 Description: A colloidal dispersion of asphalt, inert fillers and water
 Hazard Rating: 1 – Health 0 – Fire 0 – Reactivity
 (0 = Least; 4 = Extreme)

SECTION 2 HAZARDOUS INGREDIENTS

	<u>OSHA-PEL</u>	<u>ACHIG-TLV</u>
Asphalt (Molten)		5mg/m ³
CAS #8052-42-4		8 Hr TWA (Asphalt Fumes)
Asphalt Emulsions have not been investigated as possible carcinogens.		
Petroleum Asphalt would be:	OSHA – No	IARC – Yes NTP – No

SECTION 3 PHYSICAL/CHEMICAL DATA

Boiling Point: 212° F.
 Percent Volatile by Volume: Not Applicable (Water Base)
 Soluble in Water: Miscible
 Specific Gravity: 1.0+
 Vapor Density (Air = 1): > 1
 Evaporation Rate (Water = 1): 1
 Appearance: Heavy brown liquid, slight petroleum odor

SECTION 4 FIRE & EXPLOSION DATA

Flash Point: Not Applicable (Water Base Material)
 Flammable Limits in Air: Lower – Not Applicable
 Upper – Not Applicable
 Fire Fighting Procedures: Non-Flammable in Emulsion State
 Note in Asphalt State: Dry Chemical, CO₂, Foam

SECTION 5 REACTIVITY DATA

This material is stable.
 Materials to Avoid: Strong Oxidizers
 Hazardous Polymerization: Will not occur
 Decomposition/Combustion Product: CO, CO₂

SECTION 6 HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation, Skin, Ingestion, Eyes
 Inhalation – Overexposure to vapor may result in irritation to respiratory tract. Prolonged exposure in significant excess of permissible air concentrations can result in acute toxic effects, such as respiratory difficulty, convulsions and possible cardiovascular collapse.
 Ingestion – Irritation of the gastrointestinal tract followed by nausea and vomiting.
 Abdominal discomfort, rapid pulse, convulsive movements.
 Skin – Contact with skin can result in irritation which when not washed off or when accentuated by sunlight, can result in minor burns.
 Eyes – Overexposure to product vapors can result in irritation. Eye contact with product will result in irritation, which in the absence of recommended first aid can result in minor burns to eyes.
 Unusual Chronic Toxicity – NTP – Carcinogenic
 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. Additionally, inhalation of vapors over a period of several years may present lung cancer hazard.

Asphalt: The International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence for the carcinogenicity of extracts of steam-refined bitumens, air-refined bitumens and pooled mixtures of steam- and air-refined bitumens in experimental animals. Possible skin cancer hazard based on tests with laboratory animals. This product may contain polynuclear aromatic hydrocarbons, some of which may be types that have been shown to cause skin cancer in laboratory animals. This product has not been tested as a whole for all potential health effects. It may have other health hazards related to its components. Skin contact, breathing of mists, fumes or vapors should be reduced to a minimum to avoid any ill effects. Chronic health effects would not be expected as long as good hygiene and proper safety precautions are practiced.

California Proposition 65: This product contains detectable amount of some chemicals known to the State of California to cause cancer, birth defects or other reproductive effects.

SECTION 7 FIRST AID PROCEDURE

Skin: Clean affected area with a waterless hand cleaner, then wash area thoroughly with soap and water. If redness, etc, persists, consult a physician.

Eyes: Flush with large amounts of water. Consult a physician.

Inhalation: Remove person from area. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek immediate medical aid.

Ingestion: Do not induce vomiting. Consult a physician immediately.

SECTION 8 PREVENTATIVE MEASURES/SAFE HANDLING & USE

Leak and Spill Procedure: Dike material with earth, saw dust or sand. The material will revert to an asphalt state and can be removed with absorption material. Keep out of waterways and sewers.

Waste disposal: Dispose in approved landfill in accordance with Federal, State and Local regulations.

Precautions in Handling & Storage: DO NOT FREEZE. Do not heat this material. This material is for exterior use only. Avoid prolonged contact with skin. Practice good personal hygiene. Read label of product in its entirety before use. DO NOT HEAT OR THIN THIS MATERIAL!

KEEP OUT OF REACH OF CHILDREN!

SECTION 9 CONTROL PROTECTION DATA

Ventilation: Normally not needed.

Gloves: Oil resistant recommended

Eye Protection: Chemical splash proof goggles recommended. If material is sprayed, goggles are a must.

Personal Protection Equipment: Requirements must be supplied by the user depending on use conditions.

SECTION 10 REGULATORY INFORMATION

Reportable/Quantity: None

RCRA Hazardous Waste No.: Not Regulated

DOT Proper Shipping Name: TARS, LIQUID

DOT Hazard Class: 3

Packaging Group: III

SECTION 11 SHIPPING INFORMATION

DOT Shipping Description: TARS, LIQUID

ID #: UN 1999

Labels Required: Identity, Hazard Warning, Name and Address of responsible party

Packaging Requirements (49 CFR)(Specific): ORM Class C

SECTION 12 USER RESPONSIBILITY

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product must be

informed of the recommended safety precautions and must have access to this information. For any other uses, exposures must be evaluated so that appropriate handling practices and training programs can be established to ensure safe work place operations. Please consult your local sales representative for any further information.

SECTION 13 CLEAN UP AND DISPOSAL

Practice good personal hygiene. Launder contaminated clothing before reuse. Use control protection such as chemical splash proof goggles, oil resistant gloves, barrier cream. Clean tools and equipment with kerosene, adhering to manufacturer's precautions. DO NOT USE GASOLINE OR NAPHTHA. Follow proper container management in disposing of containers. CERCLA amendment on disposal containers should be followed.

SECTION 14 DISCLAIMER

The information set forth herein is believed to be accurate but is not warranted to be, whether originating with ALCO-NVC, INC. or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

Prepared By: Samuel L. Hill

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Reviewed: July 10, 2006

This Material Safety Data Sheet supersedes all other previously dated sheets for this product.