



**UNITED  
ASPHALT**

# MATERIAL SAFETY DATA SHEET

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Dated: March 8<sup>th</sup> 2012  
Phone: 856-753-9811  
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**PRODUCT:** Del Val Fibrated Emulsion Coating

## **SECTION 1 PRODUCT IDENTIFICATION**

Trade Name: Emulsion Non-Fibered, Roofing

Description: A colloidal dispersion of asphalt, inert fillers and water

HMIS Hazardous Rating: 1 – Health 0 – Fire 0 – Reactivity (0 = Least; 4 = Extreme)

## **SECTION 2 HAZARDOUS INGREDIENTS**

**Chemical Name:** OSHA-PEL ACGIH-TLV

Asphalt (Molten) 5 mg/m<sup>3</sup> 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 – No 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, CO<sub>2</sub>, Foam

## **SECTION 5 REACTIVITY DATA**

This material is stable.

Materials to Avoid: Strong Oxidizers

Hazardous Polymerization: Will not occur

Decomposition/Combustion Product: CO, CO<sub>2</sub>

## **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.

Skin – Contact with skin can result in irritation which when not washed off or when accentuated by sunlight, can result in minor burns.

Ingestion – Irritation of the gastrointestinal tract followed by nausea and vomiting. Abdominal discomfort, rapid pulse, convulsive movements.

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 amounts 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 an 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 Hazardous 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 of 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-Products LLC or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

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