

MATERIAL SAFETY DATA SHEET

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PRODUCT: # 214 Alumagard Non-Fibered Aluminum Roof Coating

SECTION 1 PRODUCT IDENTIFICATION

Trade Name: Aluminum Roof Coating, Non-Fibered
 Description: Non-fibered products are a blend of liquid asphalt, aluminum paste, with no fillers.
 Hazard Rating: 1 – Health 2 – Fire 1 – Reactivity
 (0 = Least; 4 = Extreme)

SECTION 2 HAZARDOUS INGREDIENTS

Chemical Name:

Aromatic Naphtha
 CAS # 64742-95-6

Xylene
 CAS # 1330-20-7 Approximately 5 mass %
 Exposure limit for total product: 50 ppm
 (245 mg/m³ per 8 hour day)
 Recommended by Exxon

Hazard Ingredients:	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
Petroleum Asphalt CAS #8052-42-4	None Established	5mg/m ³ 8 Hr. TWA (Asphalt Fumes)
Carcinogen: OSHA – No	IARC – Yes	NTP – No
Aluminum Flake CAS # 7429-90-5	15 mg/m ³	10 mg/m ³
SARA Title III	Aluminum (fumes & dust) is listed	

SECTION 3 PHYSICAL/CHEMICAL DATA

Boiling Point: 300° – 350° F. (Solvent Only)
 Vapor Density (Air = 1): > 1 (Solvent Only)
 Vapor Pressure (mm Hg): 2.7 @ 20° C. (Solvent Only)
 Specific Gravity (H₂O = 1): 1.0+
 Soluble in Water: No
 Appearance: Thin, Silver Liquid; Petroleum Odor

SECTION 4 FIRE & EXPLOSION DATA

Flash Point: 100° F. + TCC
 Upper Explosive Limit (UEL): 6.7
 Lower Explosive Limit (LEL): 0.9
 KEEP AWAY FROM HEAT, OPEN FLAME OR ANY SOURCE OF IGNITION!
 Fire Fighting Procedures: DO NOT USE WATER. If possible, dike with sand and let fire burn out. Self-contained breathing apparatus is recommended.
 Extinguishing Media: Dry chemicals, CO₂ or sand
 DO NOT USE WATER. Do not use Halogenated Chemicals

SECTION 5 REACTIVITY DATA

This material is stable.
 Decomposition/Combustion Products: Smoke, CO, CO₂, Aluminum Oxide
 Materials to Avoid: Water, water vapor, open flames, all sources of ignition, acids, caustics,

Halogenated Hydrocarbons and oxidizers. This material can react with some acids and caustic solutions to form hydrogen gas and heat. Water will do the same.

SECTION 6 HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation, Skin, Ingestion, Eyes

Effects of Over Exposure (Chronic): Prolonged or repeated skin contact with this product may result in irritation and dermatitis.

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 hydro-carbons, 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.

Effects of Over Exposure (Acute):

Inhalation – Use with adequate ventilation. Inhalation of high vapor concentration may cause headaches and/or dizziness. This material is for exterior use only.

Skin – Prolonged contact may cause irritation, dermatitis.

Ingestion – Can cause gastrointestinal irritation.

Eyes – May cause irritation, blurred vision.

Medical Conditions Aggravated by Exposure: Persons with a history of chronic skin or respiratory disorders may be at increased risk for a worsening of their condition from exposure to this product.

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 spill area; add absorbent to liquid. Keep out of sewers and waterways. Remove any sources of ignition. Ventilate area if necessary.

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

Precautions in Handling & Storage: Keep away from sources of ignition; open flame. 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 as material is for exterior use only. However if TLV is exceeded, a NIOSH/MSHA approved respirator is recommended. During spray operation, good ventilation and an approved respirator are a must.

Goggles: Chemical splash proof goggles are recommended. And during a spray operation chemical splash proof goggles are a must.

Clothing: Impervious work clothing is recommended.

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

SECTION 10 REGULATORY INFORMATION

The following information may be useful in complying with various State and Federal regulations under various environmental statutes:

Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)
The RQ for cumene is 1 pound. This product contains approximately 5% cumene.
(Solvent)
The RQ for ethyl benzene is 1,000 pounds. This product contains approximately 1.5% ethyl benzene. (Solvent)
The RQ for xylene is 1,000 pounds. This product contains approximately 5% xylene.
(Solvent)
Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304).
Not Applicable.
Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Sections 311-313) (Solvent).
This product contains approximately 5% cumene.
This product contains approximately 1.5% ethyl benzene.
This product contains approximately 5% xylene.
This product contains approximately 21% 1,2,4-Trimethyl benzene.
EPA Hazard Classification Code: Acute Hazard, Fire Hazard
Reportable/Quantity: Minimum under any act
RCRA Hazardous Waste No. (40 CFR 261): D001

SECTION 11 SHIPPING INFORMATION

DOT Shipping Name: TARS, LIQUID
Hazard Class: 3
ID #: UN 1999
Packaging Group: III
Labels Required: Identity, Hazard Warning, Name and Address of responsible party
Packaging Requirements (49 CFR): None

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 hand-ling 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. To prevent repeated skin contact, wear impervious clothing. 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: Paul E. Smith
Dated: October 18, 1996
Revised: December 1, 1998
Reviewed: July 10, 2006

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