



MATERIAL SAFETY DATA SHEET

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SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NAME: SEAL-N-SAVE ALUMINUM FIBER ROOF COATING
CHEMICAL FAMILY: ASPHALT BASED ROOF COATING
PRODUCT NUMBER: 4205, 4201
EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300
DATE PREPARED: 03/03/02 SUPERCEDES: 03/01/1992
PREPARED BY: ACT-GS

SECTION 2 – HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV	WT%
PETROLEUM ASPHALT	8052-42-4	5 mg/m ³ respirable fraction	5 mg/m ³ fumes	<35
MINERAL SPIRITS	8052-41-3	500 ppm	100 ppm	<40
ALUMINUM	7429-90-5	5 mg/m ³ respirable fraction	5 mg/m ³ fumes	<10
MICA	12001-26-2	3 mg/m ³	3 mg/m ³	<10
DIATOMACEOUS EARTH	61790-53-2	80 mg/m ³	10 mg/m ³	<5
CELLULOSE FIBER	9004-34-6	15 mg/m ³	10 mg/m ³	<5
TALC	14807-96-6	20 mppcf	2 mg/m ³	<10

CONTAINS NO CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313

SECTION 3 – PHYSICAL DATA

BOILING POINT (°F):	300 initial	MELTING POINT:	N.A.
SPECIFIC GRAVITY:	1.03	EVAPORATION RATE (BUAC=1):	0.1
VAPOR PRESSURE:	2.1 mm Hg @ 20°C	VAPOR DENSITY:	Heavier than air
% VOLATILE BY VOL.	55	SOLUBILITY, WATER:	Insoluble
pH	N.A.		
APPEARANCE/ODOR:	Silver/gray liquid, petroleum odor		

SECTION 4 – FIRE AND EXPLOSION DATA

FLASH POINT: 105 °F TCC FLAMMABILITY LIMITS: LEL 0.9 UEL 6.7
AUTOIGNITION TEMPERATURE: 540 °F
EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical, Water Fog.

SPECIAL FIREFIGHTING INSTRUCTIONS: Material will float on water and can be reignited. Use water to cool containers to prevent bursting. Wear full firefighting gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Intense heat can cause pressure build-up in containers and can result in bursting. Vapors are heavier than air and can travel along the ground to remote sources of ignition. Empty containers may contain residual vapors or liquid that could be ignited by heat, flame, sparks or other ignition sources.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable. CONDITIONS TO AVOID: Heat, flame, sparks, or other sources of ignition.
INCOMPATIBILITY: Avoid strong oxidizers.

HAZARDOUS DECOMPOSITION BYPRODUCTS: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Hydrogen Sulfides, and Smoke.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 – HEALTH HAZARD DATA

ROUTES OF EXPOSURE: Inhalation, Skin Contact, and Eye Contact.

HEALTH HAZARDS (ACUTE): Vapors may be irritating to nose, throat, and respiratory tract. High concentrations may cause headaches, dizziness, nausea, drowsiness, anesthesia, and unconsciousness and can result in death. Vapors and liquid can cause eye irritation, redness, tearing and blurred vision. Ingestion can cause irritation of mouth, throat, and gastrointestinal tract. May cause nausea and vomiting. Aspiration of petroleum distillates into the lungs can cause severe chemical pneumonitis, which can be fatal.

HEALTH HAZARDS (CHRONIC): Prolonged or repeated contact can cause skin dryness, irritation and dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Central nervous system diseases, skin disorders, eye disorders or chronic respiratory diseases may be worsened by exposure.

Ingredients are not considered carcinogenic by OSHA or NTP. IARC monographs list refined bitumens as possibly carcinogenic to humans based upon animal studies. IARC regards it prudent to treat a material for which there is sufficient evidence of carcinogenicity in animals as if it is possibly carcinogenic in humans.

EMERGENCY AND FIRST AID PROCEDURES: IF INHALED: Remove person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Seek emergency medical attention. SKIN CONTACT: Remove material using waterless hand cleaner. Wash skin with mild soap and water. If irritation persists, seek medical attention. Remove and launder contaminated clothing before reuse. EYE CONTACT: Flush eyes with cool running water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. IF INGESTED: **DO NOT INDUCE VOMITING.** Call a doctor or Poison Control Center immediately. Aspiration can cause chemical pneumonitis that is potentially fatal.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Eliminate sources of ignition. Ventilate area. Wear appropriate safety equipment. Restrict access to area of spill. Contain spill using sand or other inert material. Recover free material to a secure container. Use inert absorbent to pick up residue. Wash area with soap and water.

WASTE DISPOSAL: Dispose of material in accordance with applicable Federal, State and local regulations. This material is a RCRA regulated hazardous waste.

PRECAUTIONS FOR STORAGE AND HANDLING: Do not store containers near heat, sparks, open flames or other sources of ignition. Keep container closed when not in use. Wear appropriate personal protective equipment when handling product. Grounding is required for pumping or spraying of material. Wash hands after using product and before eating or smoking.

SECTION 8 – CONTROL MEASURES

RESPIRATORY PROTECTION: **FOR OUTDOOR USE ONLY.** Avoid breathing vapors or spray mist. If vapors exceed TLV, use a NIOSH/MSHA approved respirator equipped with an Organic Vapor cartridge or self-contained breathing apparatus.

EYE PROTECTION: Wear safety goggles or full-face shield.

PROTECTIVE GLOVES: Impervious plastic or rubber gloves.

PROTECTIVE CLOTHING: Wear long pants and long sleeved shirt. Remove contaminated clothing and launder before reuse.

OTHER PROTECTIVE MEASURES: Use waterless hand cleaner to remove material from skin. Avoid breathing of vapors and spray mist. Equipment must be grounded for pumping or spraying. Use explosion-proof equipment. Eye wash stations and safety showers should be available.

SECTION 9 – OTHER INFORMATION

ABBREVIATIONS			NFPA	HMIS
	NA=NOT APPLICABLE	HEALTH	2	2
	ND=NOT DETERMINED	FLAMMABILITY	2	2
	NE=NOT ESTABLISHED	REACTIVITY	0	0
		PERSONAL PROTECTION		B

VOC Content: 3.56 lbs/gal or 425 g/l. Complies with California, Massachusetts and Federal regulations in effect on date of issuance.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

DOT Proper Shipping Name: Combustible Material, NOS, 3, NA 1993, PG III
Contains Petroleum Distillates

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