



Florida Waste Environmental Service

FAX TRANSMISSION

DATE: 1/9/97

TIME: 3:40 P.M.

TO: Susan Retz / ^{Sim} Drogari FAX: 944-6125

FROM: Tom Brislin

SUBJECT: Roof Tar (Silver)

Attached please find MSDS on

Roof Tar called Sunbrite

Used Aluminum for Silver Shine

Would like to schedule meeting next week

will dispose of Asphalt to

Chambers ASAP and

halt Solenification Activities

NUMBER OF PAGES INCLUDING FAX COVER SHEET: _____



Gardner Asphalt Corporation

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Date Issued 10/31/96

Supersedes Date 3/7/94

MATERIAL SAFETY DATA SHEET

Gardner Asphalt Corporation P.O. Box 5449 Tampa, FL 33675

A. IDENTIFICATION AND EMERGENCY INFORMATION

Product Name: Sunbrite Premium Grade Aluminum Roof Coating

Product Code: 6290

Chemical Name: Aluminum ,Asphalt, Clay, and Water Emulsion.

CAS Number: N/A A Complex Mixture.

Product Appearance and Odor: A moderately thick black coating with a slight petroleum hydrocarbon solvent odor and a metallic appearance.

Emergency Telephone Number: CHEMTREC 1-800-424-9300

B. COMPONENTS AND HAZARD INFORMATION

<u>Components</u>	<u>CAS No.</u>	<u>ACGIH TLV</u>	<u>Approximate Concentration</u>
Petroleum Asphalt	8052-42-4	5.0mg/m(3) (fume)	Less than 20%
Inorganic Filler	1332-58-7	10mg/m(3)*	Less than 10%
Cellulose Fiber	9004-34-6	10mg/m(3)*	Less than 5%
Aluminum Paste	Mixture	100 ppm	Less than 15%
Water	7732-18-5	Not Hazardous	Greater than 55%

* As respirable fraction of dust.

Hazardous Materials Identification System: (HMIS)

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Basis</u>
1	1	1	Recommended By Gardner Asphalt

Tampa, FL • Springville, AL • Winston-Salem, NC • Chicago, IL • Cleveland, OH • Seaford, DE
Kearny, NJ • Kansas City, KS • Houston, TX • Berkeley, CA • Long Beach, CA • Denver, CO

C. PRIMARY ROUTES OF ENTRY AND EMERGENCY & FIRST AID PROCEDURE

Eye Contact: If eye contact should occur it may cause severe irritation, redness, tearing and blurred vision. Flush with large amounts of water for at least 15 minutes. Get medical attention.

Skin: If skin contact should occur, remove contaminated clothing/shoes, wipe excess from skin. Wash affected areas with mild soap and water. If irritation develops and persists, seek medical attention. Do not reuse clothing/shoes until thoroughly laundered.

Inhalation: Remove from exposure. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Keep person warm and quiet. Seek medical attention immediately.

Ingestion: Do Not Ingest. Should ingestion occur, DO NOT INDUCE VOMITING - transport to hospital immediately. Get medical attention.

Flash Point (Minimum):

105 degrees F. via TCC (Petroleum Solvent)

Autoignition Temperature (Dry Film):

Not Established

National Fire Protection Association (NFPA) - Hazard Identification

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Basis</u>
0	1	0	Recommended By Gardner Asphalt

Handling Precautions: Keep all containers tightly closed and in a properly ventilated area, away from sources of heat, flame or strong oxidizers.

Flammable or Explosive Limits: (Approximate percent by volume in air)

Lower (LEL) Not Applicable

Upper (UEL) Not Applicable

Extinguishing Media and Fire Fighting Procedures:

Firemen should wear self-contained breathing apparatus to protect against inhalation of combustion products. Water fog may be used to keep fire exposed containers cool. If containers are exposed to excessive heat, there is a possibility of pressure build-up which may result in a rupture of the container. Use dry chemical or water fog as extinguishing media. Do NOT use Halogenated extinguishing agents.

Decomposition Products under Fire Conditions:

Pyrolysis products of aromatic hydrocarbons. Aluminum fire may react with water, producing hydrogen. Hydrogen gas is flammable and explosive. For further information, see NFPA-651, Standard for the Manufacture of Aluminum and Magnesium Powder. Hazardous decomposition products include: carbon dioxide, carbon monoxide,

Empty Container Warning:

Dispose of in an environmentally safe manner and in accordance with governmental regulations. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION, THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. For work on tanks, refer to OSHA regulation ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations.

E. HEALTH AND HAZARD INFORMATION

Variability Among Individuals:

Health studies have shown that individual sensitivities vary from person to person. As a precaution, exposure to vapors, liquids, mists, or fumes should be minimized.

Effects of Overexposure:

(Signs and symptoms of exposure) Breathing asphalt aerosol or asphalt smoke for protracted periods of time has produced damage to the lungs of mice. Among the changes observed were: bronchitis, pneumonitis and abscess formation.

Nature of Hazard and Toxicity Information:

In 1994, the International Agency for Research on Cancer (IARC) reconfirmed its earlier assessment that studies of workers exposed to asphalt provide inadequate evidence of carcinogenicity. IARC has previously classified asphalt as a Group 3 substance, not classifiable as to its carcinogenicity to humans.

Pre-existing Medical Conditions Which May be Aggravated by Exposure:

Persons with history of disease in the liver, skin, eye, respiratory system, blood forming organs or with bleeding abnormalities or exposure to material harmful to these systems are at greater risk than normal risk of developing adverse health effects when working with this product.

 F. PHYSICAL DATA

The following are approximate or typical values and should not be used for precise design purposes

Boiling Range :

Greater than 212 degrees F.

Vapor Pressure :

Less than 1mm/Hg @ 25 deg.. C

Specific Gravity :

Approx. 1.0-1.3

Vapor Density :

Heavier than air

Molecular Weight :

N/A A Complex Mixture.

Percent Volatile by Volume:

greater than 50%

pH :

Approx. 6.0-7.0

Evaporation Rate @ 1 ATM & 25 deg C (77 deg F)

Slower than Ether

Pour Congealing or Melting Point

Pours above 40 deg.. F. (DO NOT FREEZE)

Solubility in Water @ 77 deg. F.

Partially Miscible

Viscosity:

Approximately 5000-10,000 cps @ 77 deg. F.

G.

REACTIVITY

This product is stable under normal conditions. Hazardous polymerization will not occur. Avoid heat, smoking, open flame, strong oxidizers, other sources of ignition, some acids, halogenated hydrocarbons and oxidizers. Avoid contact with, may cause hydrogen gas to be released.

H

REGULATORY / ENVIRONMENTAL INFORMATION

Steps to be taken in case material is released or spilled:

Large Spills: Evacuate all unnecessary personnel from affected area. Do not re-enter affected area without proper protective equipment (Section D). Ventilate area of spill. Remove all sources of ignition and allow any hot surfaces in area to cool. Collect in most safe manner for disposal or reclamation in sealed containers. Use non sparking metal tools and natural bristle broom.

SARA Title III Section 313 - Toxic Chemicals

This product does not contain toxic chemicals of Section 313 of Title III of Superfund Amendments and Reauthorization Act of (SARA) and 40 CFR Part 372.

SARA Title III Section 311 - Hazard Categories

Not Established

SARA Title III Section 302(a) - Extremely Hazardous Substances

This product does not contain Extremely Hazardous Substances of Section 302(a).

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act Section 102 Hazardous Substances, 42 U.S.C. 9602

Petroleum and petroleum fractions are excluded from the list of CERCLA hazardous substances by Section 101(14) of CERCLA.

EPA Hazard Classification Code:AcuteChronicFirePressureReactiveNot Applicable

XXX

I.

PROTECTION AND PRECAUTION

Ventilation:

Ventilation should be adequate. Maintain vapor and/or particulate levels below the applicable exposure limits for asphalt fumes.

Respiratory Protection:

Use NIOSH/MSHA approved respirator when TLV is exceeded.

Protective Gloves:

Use protective chemical resistant gloves such as neoprene or nitrile-butadiene rubber gloves.

Eye Protection:

Safety glasses or splash goggles should be used. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS MATERIAL.

Other Protective Equipment:

Employees who have prolonged or repeated exposure should wear gloves and clothing that is impervious to asphalt.

Work Practices:

Keep containers closed when not in use. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS.

Personal Hygiene:

Employees who handle this material should cleanse hands thoroughly before eating and smoking. Minimize breathing vapors or mist. Remove contaminated clothing, launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before use.

J.

TRANSPORTATION INFORMATION

Transportation Incident Info:

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Guidebook for Hazardous Materials Incidents, DOT P 5800.3.

DOT Identification Number:

Not Established

The information and recommendations contained herein are to the best of Gardner Asphalt's knowledge and belief, accurate and reliable as of the date issued. Gardner Asphalt does not warrant or guarantee their accuracy or reliability, and Gardner Asphalt shall not be liable for any loss or damage arising out of the use thereof.

This information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.

The environmental information included in Section H hereof as well as the Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by Gardner Asphalt Corporation in order to provide additional health and hazard classification information. The ratings are based upon the criteria supplied by the developers of these ratings systems, together with Gardner Asphalt's interpretation of the available data.

For Other Product Information Contact:

Manager, Customer Service
Gardner Asphalt Corporation
P.O. Box 5449
Tampa, FL 33675-5449
(813) 248-2101