

Southwestern Petroleum Corporation • 534 North Main Street • Fort Worth, Texas 76106 USA

Material Safety Data Sheet

Product Trade Name: Aluminum Roof Shield

Revision Date: 000630

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

Chemical Family: Petroleum Hydrocarbon

Section 1: Fire and Explosion Hazards

NFPA Codes -- Health: 2

Fire: 3

Reactivity: 1

Other: NOTE 1

Flash Point, °C: 26

Method: PMCC

Auto Ignition Temp. , °C: NDA

Flammable Limits, %Volume -- Lower: 1

Upper. , °C: 6-SOLVENTS

Extinguishing Media: Carbon dioxide, dry chemical foam (use a class d agent or dry, inert granular material if a powder fire exists).

Special Firefighting Procedures: Do not use water or halogenated extinguishing agents. Fire normally begins as a solvent fire and can be fought using class b extinguishing agents. It may at some point exhibit characteristics of a powder fire. If careful use of class b agents appear to accelerate the fire, discontinue their use immediately and begin treatment for a powder fire using class d agents or dry inert granular material. If the aluminum metal has ignited, it may continue to burn under a crust without apparent flames, and should not be disturbed. . Carbon dioxide may be used against solvent fires, however the residual material must immediately be smothered to avoid re-ignition. . In all cases apply extinguishing agents carefully. Do not allow extinguishing methods to create airborne material.

Unusual Fire & Explosion Hazards: Material contains flake aluminum, water or halogenated materials can create an explosion hazard. Fire may progress from a solvent to a powder fire. .

Note 1: water reactive

Section 2: Physical Data

Boiling Point: 149°C

Melting Point: NA

Specific Gravity (Water = 1): NA

Ph: NA

Water Solubility: NO

Vapor Density (Air = 1): >3

Percent Volatile By Volume: 20 TO 60

Primary Volatiles: Petroleum naphtha and xylene

Odor: Characteristic of volatiles

Appearance: Bronze to silver

Section 3: Reactivity Data

Stability: Stable except as noted under incompatibilities.

Polymerization: Does not occur

Incompatibility: Strong oxidants (as related to general organic materials) do not expose to water, halogens, or halogenated compounds. Do not expose material which will be resealed and stored to moisture.

Conditions To Be Avoided: Heat and ignition sources, see also incompat-ability.

Unusual Hazards: Long term exposure to moisture can generate hydrogen gas. Build up of hydrogen gas in sealed containers may present an explosion hazard. Exercise caution when opening containers. Contact with halogenated compounds can create explosive mixtures.

Section 4: Spill and Disposal Handling

Spill: Use inert absorbent material to confine spills and absorb material. Caution -- when dry, powdered aluminum presents a fire hazard, scoop into a disposable container using a non sparking scoop.

Disposal: Dispose of as federal, state, and local regulations permit.

Section 5: Hazardous Ingredients

Component:	CAS#:	%	Carcinogen
Asphalt (petroleum) fumes No lethal concentrations or dosages cited. Acgih 5mg/m3 tlv, 8 hours, excursion limits apply Osha no limit established Because of the physical form of the material, the potential for Exposure to fumes is limited. Under normal conditions, no Exposure to fumes is expected.	8052-42-4	15-40	no
Naphtha No lethal concentrations or dosages cited. Acgih 100ppm tlv, 8 hours, excursion limits apply Osha 500ppm, pel, 8 hours	64741-41-9	20-60	no
Aluminum No lethal concentrations or dosages cited. Acgih 10mg/m3 tlv, 8 hours, excursion limits apply Osha 5mg/m3 twa, as total dust 5mg/m3 twa, as respirable dust See note 1	7429-90-5	<25	no
Xylene Acgih 100ppm tlv, 8 hours 150ppm stel, 15 minutes Osha 100ppm twa 150ppm stel Lc50 rat 5000 ppm/4h Ld50 oral, rat 4300 mg/m3 Note: acgih has established a bei for xylene	1330-20-7	<8	no

This chemical is subject to the reporting requirements of section 313 of title iii of sara and 40 cfr part 372

Note 1: because of the physical form of the material, the potential

For exposure to dusts is limited. Under normal use conditions
No exposure is expected.
May result in headache, nasal respiratory irritation, nausea/drowsiness, fatigue, pneumonitis,
pulmonary edema, central nervous system depression.

Section 6: Health Hazard Data

Inhalation: May result in headache, nasal respiratory irritation, nausea/drowsiness, fatigue, pneumonitis, pulmonary edema, central nervous system depression.

Eye Contact: Irritant

Skin Contact: Irritant

Ingestion: Symptoms follow those of inhalation. Aspiration hazard.

Summary of Acute Hazards: Exposure above PEL may result in symptoms listed.

Summary of Chronic Hazards: No chronic hazards are expected from normal use conditions.

Special Health Effects: NAIF

Section 7: First Aid Procedure

Inhalation: Remove to fresh air, if breathing is difficult administer oxygen, obtain medical attention.

Eye Contact: Flush with water for 15 minutes obtain medical attention.

Skin Contact: Wash with soap and water, if irritation develops obtain medical attention.

Ingestion: Do not induce vomiting, obtain medical attention.

Other: NAIF

Section 8: Control Measures

Inhalation: Adequate ventilation or NIOSH/MSHA approved respirator to meet exposure limits.

Eye: Goggles or face shield

Skin: Gloves and protective clothing.

Other: NAIF

Section 9: Special Precautions

Special Precautions: Spray application of these products is not expected to produce significant amounts of thoracic or respirable particles. A significant amount of respirable particles may be expected. Solvent evaporation from inhaled particles or from any material collecting on a respirator may cause a significant exposure to solvents, possibly resulting in exceeding the applicable exposure limits. During spray application appropriate respirator should be maintained in a condition which does not result in exposure to solvents above the applicable exposure limits. Often a single use organic vapor respirator with a dust/mist pre-filter will be suitable.

Abbreviations: NA = Not applicable; NAIF = No applicable information found; NDA = No data available.

The data and recommendations presented herein are based on the information provided to us by the ingredient supplier and believed to be accurate. We do not assume any responsibility for the use of this material. The buyer assumes all risk and liability. The buyer accepts and uses this material based upon these conditions.