



**PIPE COATING/CHAIN LINK PAINT SILVER  
SILVER LIQUID ASPHALTIC SEALER**

**MATERIAL SAFETY DATA SHEET**

# ASPHATECH LIMITED

## Safety Data Sheet (SDS)

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

#### 1.1. Product Identifier: SILVER LIQUID ASPHALTIC SEALER

Material Product Code: GGSLAS

Chemical Family: Aromatic solvent blend with silver paste

1.2. Intended Use: Coating bituminous layers to protect against UV degradation

#### 1.3. Company & Responsible Party Identification

Company Name: Asphatech Limited

Address: #60 King Street, Princes Town, Trinidad, W.I.

Technical Phone: (868) 681-8326

Fax Number: (868) 655-3418

Website: asphatech.com

### 2. HAZARDS IDENTIFICATION

2.1. GHS Classification: This product is classified as hazardous according to CLP / GHS criteria:

- **Flammable Liquid:** Category 3 (H226)
- **Aspiration Toxicity:** Category 1 (H304)
- **Skin Irritation:** Category 2 (H315)
- **Specific Target Organ Toxicity (Single Exposure):** Category 3 (H336 - Drowsiness / Dizziness)
- **Germ Cell Mutagenicity:** Category 1B (H340)
- **Carcinogenicity:** Category 1B / Category 2 (H351)
- **Aquatic Chronic Toxicity:** Category 2 (H411)

2.2. Signal Word: **WARNING**

2.3. Hazard Pictograms: GHS02 (Flame), GHS07 (Exclamation Mark), GHS09 (Environment)

#### 2.4. Hazard Statements

- **H226:** Flammable liquid and vapour.
- **H304:** May be fatal if swallowed and enters airways.
- **H315:** Causes skin irritation.
- **H336:** May cause drowsiness or dizziness.
- **H340:** May cause genetic defects.
- **H351:** Suspected of causing cancer.
- **H411:** Toxic to aquatic life with long lasting effects.

#### 2.5. Precautionary Statements

- **P102:** Keep out of reach of children.
- **P210:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **P261:** Avoid breathing vapours.
- **P273:** Avoid release to the environment.
- **P280:** Wear protective gloves / eye protection / face protection.
- **P302+P352:** IF ON SKIN: Wash with plenty of soap and water.
- **P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P333+P313:** If skin irritation or rash occurs: Seek medical attention.
- **P501:** Dispose of contents/container in accordance with national/local regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS & MATERIALS

3.1. Chemical Characterization: Mixture. This product is classified as hazardous.

3.2. Hazardous GHS Components

| Ingredient Name                             | CAS No.    | Contents (%) | Classification (GHS / CLP)                                                                 |
|---------------------------------------------|------------|--------------|--------------------------------------------------------------------------------------------|
| Kerosine (Petro) Hydrosulfurised            | 64742-81-0 | > 10%        | Asp. tox. 1; Skin irrit. 2; Flam. liq. 3; Carc. 2; Aquatic chron. 2; STOT SE 3             |
| Solvent Naphtha (petroleum), light aromatic | 64742-95-6 | > 10%        | Acute tox. 1; Skin irrit. 2; Flam. liq. 3; Carc. 1B; Muta. 1B; Aquatic chron. 2; STOT SE 3 |
| Aromatic Hydrocarbon Solvent                | -          | < 20%        | Asp. tox. 1; Flam. liq. 3; Aquatic tox. 2; STOT SE 3                                       |

3.3. Additional Material Identification & Exposure Limits

| Component Name                   | % Content | OSHA PEL | ACGIH TLV | Other Limits Recommended |
|----------------------------------|-----------|----------|-----------|--------------------------|
| Special Blended Asphalt Base     | < 65%     | 5 mg/m³  | 5 mg/m³   | Ceiling of 10 mg/m³      |
| Petroleum White Mineral Spirits  | < 22%     | 100 ppm  | 350 mg/m³ | Max. 3hr. 1,800 mg/m³    |
| Cellulose Fibers (Asbestos Free) | < 3%      | As dust  | 10 mg/m³  | None Established         |
| Rubber Solution / Polymer Powder | < 4%      | As dust  | 10 mg/m³  | None Established         |
| Clay                             | < 6%      | As dust  | 10 mg/m³  | None Established         |

4. FIRST-AID MEASURES

**General Advice:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical attention immediately.

**Inhalation:** Move to fresh air. If nausea, dizziness, or difficulty breathing persists, seek medical attention.

**Skin Contact:** Wash skin thoroughly with soap and water and rinse. Seek medical attention if irritation persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing and obtain medical attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain immediate medical attention.

4.2. Most Important Symptoms & Effects (Acute and Delayed)

**General:** May cause irritation.

**Inhalation:** May cause irritation to the respiratory system. Prolonged inhalation may cause headaches, drowsiness, and fatigue. High concentrations are anesthetic causing central nervous system depression (dizziness, confusion).

**Skin Contact:** May cause skin irritation. Repeated exposure may lead to dermatitis.

**Eye Contact:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed. Risk of aspiration into lungs.

**4.3. Indication of Immediate Medical Attention:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES & EXPLOSION HAZARD DATA

**5.1. Suitable Extinguishing Media:** Water fog, dry chemical powder, foam, carbon dioxide (CO2).

**Unsuitable Extinguishing Media:** Water jets (may spread fire).

**5.2. Flash Point:** > 100 °F (60 °C) [Method: NFPA]

**Auto-Ignition Temperature:** > 400 °F (> 204 °C)

**Flammability Limits in Air (% Vol):** LEL: 0.9% | UEL: 6.0%

**5.3. Fire Hazards & Explosion Risks:** Flammable liquid. Can form explosive vapour/air mixture. Combustion releases toxic fumes.

**5.4. Advice for Firefighters:** Exercise caution when fighting chemical fire. Firefighters should wear full protective gear and SCBA. Do not enter fire area without proper protective equipment.

**Unusual Fire & Explosion Hazards:** Petroleum-based compounds can float on water and spread fire. Thermal decomposition produces toxic CO and CO2.

6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal Precautions:** Contaminated surfaces will become slippery. Wear proper PPE including solvent masks and chemical gloves.

**6.2. Emergency Procedures:** Evacuate unnecessary personnel. Eliminate all ignition sources. Secure the area.

**6.3. Environmental Precautions:** Prevent entry into sewers, watercourses, and public waters. Notify authorities if product enters drains or waterways.

**6.4. Containment & Cleaning Up:** Absorb spill with inert material (sand, earth, vermiculite). Place in suitable container for disposal according to local legislation.

## 7. HANDLING AND STORAGE

**7.1. Handling Precautions:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands with mild soap and water before eating or drinking. Avoid breathing vapours.

**Handling Temperature:** Normal ambient temperature.

**7.2. Storage Conditions:** Store in a dry, cool, and well-ventilated place. Keep container closed when not in use. Do not store near heat, sparks, or open flames.

**Incompatible Materials:** Strong oxidizing agents.

**Maximum Storage Period:** 12 months (may vary depending on storage conditions).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1. Engineering Controls:** Provide good general/local ventilation when handling large quantities.

### 8.2. Personal Protective Equipment (PPE)

**Hand Protection:** Wear chemical-resistant, impermeable gloves.

**Eye Protection:** Safety glasses or safety goggles.

**Skin & Body Protection:** Use a protective suit or apron.

**Respiratory Protection:** Not required under normal conditions in well-ventilated spaces. Use organic vapour mask in confined spaces.

**General Hygiene:** When using, do not eat, drink, or smoke. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Low viscosity silver-coloured liquid

**Odour:** Characteristic petroleum odour when stirred

**Density:** Approx. 0.92 g/cm<sup>3</sup>

**Flash Point (°C):** 60 °C (> 100 °F) [Corrected from testing]

**Boiling Point:** 313 °F (156 °C)

**Specific Gravity (H<sub>2</sub>O = 1):** > 1.0

**Solubility in Water:** Insoluble

**Water Reactive:** None

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity:** None expected under normal conditions.

**10.2. Chemical Stability:** Stable under normal storage conditions.

**10.3. Possibility of Hazardous Reactions:** Reacts with strong oxidants.

**10.4. Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Open flames and sparks.

**10.5. Incompatible Materials:** Strong oxidizing agents.

**10.6. Hazardous Decomposition Products:** Thermal decomposition forms carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

## 11. TOXICOLOGICAL INFORMATION

This product has not undergone complete toxicological testing as a whole. Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed.

## 12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects. It is toxic to fish and aquatic organisms and poses a danger to drinking water if small quantities leak into the ground.

## 13. DISPOSAL CONSIDERATIONS

**Sewage Disposal:** Do not dispose waste into sewer systems or public waters.

**Waste Disposal:** Whatever cannot be saved for recovery or recycling should be disposed of in accordance with current local/national legislation.

#### 14. TRANSPORT INFORMATION

**14.1. UN Number:** UN 1263

**14.2. UN Proper Shipping Name:** PAINT - FLAMMABLE

**14.3. Transport Hazard Class:** Class 3 (Flammable Liquids)

**14.4. Packing Group:** III

**14.5. Environmental Hazards:** Marine Pollutant (IMDG), Special marking (ADR/RID, IATA)

#### 15. REGULATORY INFORMATION

**15.1. Labelling:** Classified as a hazardous product according to GHS / CLP guidelines.

**15.2. Standards Compliance:** Prepared in accordance with SANS 11014:2010 SDS requirements.

#### 16. OTHER INFORMATION

**16.1. Information Sources:** This SDS is prepared based on information received from raw material suppliers.

**16.2. Document Status:** All handwritten corrections from audit updated into this unified release.