# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Complies with OSHA GHS Revision 7 of 2024.

Issuing Date 22-Jan-2025 **Revision Date** 22-Jan-2025 **Version** 1

## 1. Identification

**Product identifier**

**Product Name** Asphaltic Driveway Sealer - Oil Based

**Other means of identification**

**Product Code** AIM 950

**Synonyms** SEALANT

**Recommended use of the chemical and restrictions on use**

**Recommended Use** An oil-based asphalt pavement sealer designed to fill hairline cracks, beautify asphalt surfaces and rejuvenated dried-out asphalt surfaces.

**Restrictions on use** For exterior use only. Do not use indoors. This product is not intended for use over tar or asphalt and gravel roofs.

**Details of the supplier of the safety data sheet**

**Supplier Address**
American Industrial Manufacturers of Building Materials
W. Park Blvd
Suite 306-366
Plano, Texas 75093
(214) 254-4720

**Emergency telephone number**

**Company Phone Number** (214) 254-4720

**Emergency Telephone** Call CHEMTREC Day or Night:
Within USA and Canada: 1-800 424-9300
Outside USA and Canada: 1-703-527-3887

## 2. Hazard(s) identification

**Classification**

| | |
|---|---|
| Flammable liquids | Category 3 |
| Acute toxicity - Dermal | Category 4 |
| Acute toxicity - Inhalation (Vapors) | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2B |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Aspiration hazard | Category 1 |

**Hazards not otherwise classified (HNOC)**
Not applicable.

**Label elements**

Danger

**Hazard statements**
Flammable liquid and vapor.
Harmful in contact with skin.
Harmful if inhaled.
Causes skin irritation.
Causes eye irritation.
Suspected of causing cancer.
May cause respiratory irritation. May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

**Precautionary Statements - Prevention**
Do not handle until all safety precautions have been read and understood.
Use only outdoors or in a well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling.
Do not breathe dust/fume/gas/mist/vapors/spray.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Keep cool.

**Precautionary Statements - Response**
IF exposed or concerned: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
Wash contaminated clothing before reuse.
If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Do NOT induce vomiting.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary Statements - Storage**
Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal**
Disposal should be in accordance with applicable local, regional, and national laws and regulations..

**Unknown acute toxicity**
36 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
98.38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

**Other Information**
Combustible liquid.

## 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

**Common name** Solvent-based Driveway Sealer.

**Synonyms** SEALANT.

**Chemical nature** Organic solvents and additives.

| Chemical name | CAS No. | Weight-% | Trade secret |
|---|---|---|---|
| Asphalt (at Ambient Temperature) | 8052-42-4 | 60-65 | * |
| Mineral Spirits (with < 0.1% Benzene) | 8052-41-3 | 30-35 | * |
| Nonane | 111-84-2 | 1-5 | * |
| Trimethyl Benzene (mixed Isomers) | 25551-13-7 | 1-5 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

**Description of first aid measures**

**General advice** IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air. Aspiration into lungs can produce severe lung damage. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing has stopped, give artificial respiration. Get medical attention immediately.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area. Get medical attention if irritation develops and persists.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if symptoms occur.

**Ingestion** Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Get medical attention if symptoms occur. Not an expected route of exposure.

**Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Effects of Exposure** May cause damage to organs through prolonged or repeated exposure.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition.

**Hazardous combustion products** Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** Yes.

**Special protective equipment and precautions for fire-fighters** Use personal protection equipment.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Avoid breathing vapors or mists.

**For emergency responders** Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

**Precautions for safe handling**

**Advice on safe handling** Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with local regulations. Keep out of the reach of children.

## 8. Exposure controls/personal protection

**Control parameters**

**Exposure Limits** No ACGIH or OSHA PEL is assigned to this mixture.

This product, as supplied, is not believed to contain any hazardous material that exceeds exposure limits established by OSHA.

Exposure limits for the component materials are shown below.

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| Asphalt (at Ambient Temperature)<br>8052-42-4 | TWA: 0.5 mg/m³<br>Benzene-soluble aerosol fume, inhalable particulate matter | - | Ceiling: 5 mg/m³ fume 15 min |
| Mineral Spirits (with < 0.1% Benzene)<br>8052-41-3 | TWA: 100 ppm | TWA: 500 ppm<br>TWA: 2900 mg/m³<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 525 mg/m³ | IDLH: 20000 mg/m³<br>Ceiling: 1800 mg/m³ 15 min<br>TWA: 350 mg/m³ |
| Nonane<br>111-84-2 | TWA: 200 ppm | (vacated) TWA: 200 ppm<br>(vacated) TWA: 1050 mg/m³ | TWA: 200 ppm<br>TWA: 1050 mg/m³ |
| Trimethyl Benzene (mixed Isomers)<br>25551-13-7 | TWA: 10 ppm | (vacated) TWA: 25 ppm<br>(vacated) TWA: 125 mg/m³ | - |

**Biological occupational exposure limits**

| Chemical name | ACGIH |
|---|---|
| Asphalt (at Ambient Temperature)<br>8052-42-4 | 2.5 µg/L - urine (1-Hydroxypyrene with hydrolysis) - end of shift at end of workweek |

**Appropriate engineering controls**

**Engineering controls** None under normal use conditions.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Avoid contact with eyes.

**Hand protection** Wear suitable gloves.

**Skin and body protection** Long sleeved clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Regular cleaning of equipment, work area and clothing is recommended.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Physical state** Liquid

| | |
|---|---|
| **Appearance** | Viscous |
| **Color** | Black |
| **Odor** | Solvent (Mineral Spirits) |
| **Odor threshold** | 1-30 PPM. Odor thresholds vary greatly. Do not rely on odor threshold alone to determine potentially hazardous substances. |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | Not applicable | 7.0 |
| **pH (as aqueous solution)** | | None known |
| **Melting point/freezing point** | None/ -70 None/ -94 | Melting Point is not applicable. Freezing points are shown. |
| **Boiling point / boiling range** | > 154 °C / 309.2 °F | |
| **Flash point** | > 40.5 °C / 104.90 °F | Setaflash |
| **Evaporation rate** | 0.1 | Butly acetate = 1 |
| **Flammability (solid, gas)** | | |
| **Flammability Limit in Air** | | Flammable above 105 degrees F and 40.5 degrees C. |
| **Upper flammability limit:** | 7.0 | |
| **Lower flammability limit:** | 1.6 | |
| **Vapor pressure** | 0.3 (kPa) | @ 20 °C |
| **Vapor density** | 5.3 | Where: Air = 1 at 68 degrees F (20 degrees C) |
| **Relative density** | 0.95 | Water = 1g/ml |
| **Water solubility** | No data available Insoluble | Reacts with water to form carbon dioxide |
| **Solubility(ies)** | No data available. | Insoluable |
| **Partition coefficient** | No data available. | No data available. |
| **Autoignition temperature** | 330 °C / 626 °F | |
| **Decomposition temperature** | | |
| **Kinematic viscosity** | | |
| **Dynamic viscosity** | No data available. | @ 25 °C |

**Other information**

| | |
|---|---|
| **Explosive properties** | No information available |
| **Oxidizing properties** | No information available |
| **Softening point** | Not applicable |
| **Molecular weight** | N/A |
| **VOC Content (%)** | Less than 270 g/l. |
| **Density** | 7.8 to 8.2 lb/gal |
| **Bulk density** | Not applicable |

## 10. Stability and reactivity

**Reactivity** No information available.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid** Heat, flames and sparks. Excessive heat.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous decomposition products** Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiants.

## 11. Toxicological information

**Information on likely routes of exposure**

**Product Information** The IARC Monograph (Vol. 103, 2013, Bitumen and Bitumen Emissions) defines Asphalt as 'Group 2B, Possible Carcinogen to Humans'. This definition is based on studies of exposure to Asphalt fumes at elevated temperatures. The Monograph states that temperature plays an important role in determining the degree of exposure and also the carcinogenic potential of bitumen emissions. This same Monograph states that Asphalt is non volatile at ambient temperature. There is no data presented in the Monograph to demonstrate that Asphalt at ambient temperature is considered a carcinogen. Since the normal use of this product is at ambient temperature, the Asphalt used in this product is not listed as a carcinogen. No other national or international agency has defined Asphalt as a carcinogen.

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Acute toxicity** Harmful by skin contact. Harmful by inhalation.

**Numerical measures of toxicity**

**The following values are calculated based on chapter 3.1 of the GHS document**

| | |
|---|---|
| **ATEmix (oral)** | 5,034.60 mg/kg |
| **ATEmix (dermal)** | 2,000.00 mg/kg |
| **ATEmix (inhalation-gas)** | 99,999.00 ppm |
| **ATEmix (inhalation-vapor)** | 16.80 mg/l |
| **ATEmix (inhalation-dust/mist)** | 99,999.00 mg/l |

**Unknown acute toxicity**

36 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

98.38 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Asphalt (at Ambient Temperature)<br>8052-42-4 | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 94.4 mg/m³ ( Rat ) 4.5 h |
| Mineral Spirits (with < 0.1% Benzene)<br>8052-41-3 | - | > 3000 mg/kg ( Rabbit ) | > 5.5 mg/L ( Rat ) 4 h |
| Nonane<br>111-84-2 | - | - | = 3200 ppm ( Rat ) 4 h |
| Trimethyl Benzene (mixed Isomers)<br>25551-13-7 | = 8970 mg/kg ( Rat ) | - | - |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes eye irritation.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

**Reproductive toxicity** No information available.

**Developmental Toxicity** None known for product as a whole.

**Teratogenicity** None known.

**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Target organ effects** Kidney, Respiratory system, Eyes, Skin, Central nervous system.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Other adverse effects** N/A.

**Interactive effects** No information available.

## 12. Ecological information

**Ecotoxicity** Toxicological testing has not been performed for this product overall. Available toxicological data for individual ingredients is summarized below. None known for product as a whole.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Trimethyl Benzene (mixed Isomers)<br>25551-13-7 | - | LC50: =7.72mg/L (96h, Pimephales promelas) | - | - |

**Persistence and degradability** N/A.

**Bioaccumulation**

**Component Information**

| Chemical name | Partition coefficient |
|---|---|
| Asphalt (at Ambient Temperature)<br>8052-42-4 | 6 |

**Other adverse effects** No information available.

## 13. Disposal considerations

**Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

## 14. Transport information

**DOT** Regulated DOT Ground: Not regulated if containers are less than119 gallons (450 liters). DOT Ground: Regulated if shipped in containers >119 gallons (450 liters).

**Proper shipping name** Combustible liquid, n.o.s (mineral spirits)
**Hazard Class** 3
**Packing Group** III

**TDG**
**UN/ID no.** NA 1993
**Proper shipping name** Combustible liquid, n.o.s (mineral spirits)
**Hazard Class** 3
**Packing Group** III

**MEX** Regulated
**UN/ID no.** NA 1993
**Proper shipping name** Combustible liquid, n.o.s. (mineral spirits)

**ICAO (air)** Regulated
**UN/ID no.** 1993

**IATA** Regulated
**UN number or ID number** 1993

**IMDG** Regulated
**UN number or ID number** 1993

## 15. Regulatory information

**International Inventories**

**TSCA** All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.

| Chemical name | CAS No. | Inventory Listing Status | Commercial Activity Designation |
|---|---|---|---|
| Asphalt (at Ambient Temperature) | 8052-42-4 | Present | Active |
| Mineral Spirits (with < 0.1% Benzene) | 8052-41-3 | Present | Active |
| Nonane | 111-84-2 | Present | Active |
| Trimethyl Benzene (mixed Isomers) | 25551-13-7 | Present | Active |

**DSL/NDSL** All of the components of this product are listed on the DSL.
**EINECS/ELINCS** All components are listed.
**TCSI** Contact supplier for inventory compliance status.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AICS** - Australian Inventory of Chemical Substances
**NZIoC** - New Zealand Inventory of Chemicals
**TCSI** - Taiwan Chemical Substance Inventory

**US Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| Asphalt (at Ambient Temperature)<br>8052-42-4 | X | X | X |
| Mineral Spirits (with < 0.1% Benzene)<br>8052-41-3 | X | X | X |
| Nonane<br>111-84-2 | X | X | X |
| Trimethyl Benzene (mixed Isomers)<br>25551-13-7 | X | X | X |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. Other information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **NFPA** | **Health hazards** | 2 | **Flammability** | 2 | **Instability** 0 | **Special hazards** | - |
| **HMIS** | **Health hazards** | 2 * | **Flammability** | 2 | **Physical hazards** 0 | **Personal protection** | - |

*Chronic Hazard Star Legend* ** = Chronic Health Hazard*

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend**
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| | | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |
| + | Sensitizers | | |

**Key literature references and sources for data used to compile the SDS**
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

| | |
|---|---|
| **Prepared By** | AIM Administrative Services Department. |
| **Issuing Date** | 22-Jan-2025 |
| **Revision Date** | 22-Jan-2025 |
| **Revision Note** | Revised to comply with OSHA GHS Revision 7 of 2024. |

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**