



## 1. Identification

**Product identifier** PA-311  
**Other means of identification** None.  
**Recommended use** Adhesive.  
**Recommended restrictions** None known.  
**Manufacturer/Importer/Supplier/Distributor information**

### Supplier

**Supplier** Siplast, Inc.  
**Division** Asphalt Roofing  
**Address** 1111 Highway 67 S  
 Arkadelphia, AR 71923  
**Website:** [www.siplast.com](http://www.siplast.com)  
**E-Mail** [ussds@siplast.com](mailto:ussds@siplast.com)  
**Hours of Operation** 08:00 AM - 05:00 PM (US Central Standard Time)  
**Siplast General Assistance** 1.800.922.8800  
**CHEMTREC** 1.800.424.9300

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 3  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Warning  
**Hazard statement** Flammable liquid and vapor.  
**Prevention** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.  
**Response** In case of fire: Use CO2 for extinction.  
**Storage** Store in a well-ventilated place. Keep cool.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations. See section 13 of this SDS for disposal instructions.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                            | Common name and synonyms | CAS number | %             |
|--|--------------------------|------------|---------------|
| ASPHALT                                  |                          | 8052-42-4  | 30 - 50       |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. |                          | 64742-95-6 | 20 - 40       |
| QUARTZ                                   |                          | 14808-60-7 | < 1           |
| Other components below reportable levels |                          |            | 29.6116504853 |

## 4. First-aid measures

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention if symptoms occur.

### Skin contact

Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation occurs: Get medical advice/attention.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

### Ingestion

Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Aspiration may cause pulmonary edema and pneumonitis. If ingestion of a large amount does occur, call a poison control center immediately.

### Most important symptoms/effects, acute and delayed

Not available.

### Indication of immediate medical attention and special treatment needed

In case of shortness of breath, give oxygen. Symptoms may be delayed.

### General information

IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

### Suitable extinguishing media

Foam. Dry powder. Carbon dioxide (CO<sub>2</sub>). Extinguish with water fog.

### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

### Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

### Fire-fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue. Water runoff can cause environmental damage.

### Specific methods

In the event of fire, cool tanks with water spray. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Remove sources of ignition. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

### Methods and materials for containment and cleaning up

Dike far ahead of spill for later disposal. Cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain. Collect spillage. Prevent product from entering drains.

Never return spills in original containers for re-use.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

## 7. Handling and storage

### Precautions for safe handling

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. All equipment used when handling the product must be grounded. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wash thoroughly after handling. Do not empty into drains.

### Conditions for safe storage, including any incompatibilities

The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place. Keep container tightly closed. Use care in handling/storage.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components              | Type | Value   | Form                                      |
|-------------------------|------|---|---|
| QUARTZ (CAS 14808-60-7) | TWA  | 0.3 mg/m <sup>3</sup><br>0.1 mg/m <sup>3</sup><br>2.4 mppcf | Total dust.<br>Respirable.<br>Respirable. |

#### US. ACGIH Threshold Limit Values

| Components              | Type | Value                   | Form                 |
|-------------------------|------|-------------------------|----------------------|
| ASPHALT (CAS 8052-42-4) | TWA  | 0.5 mg/m <sup>3</sup>   | Inhalable fraction.  |
| QUARTZ (CAS 14808-60-7) | TWA  | 0.025 mg/m <sup>3</sup> | Respirable fraction. |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components              | Type    | Value                  | Form             |
|-------------------------|---------|------------------------|------------------|
| ASPHALT (CAS 8052-42-4) | Ceiling | 5 mg/m <sup>3</sup>    | Fume.            |
| QUARTZ (CAS 14808-60-7) | TWA     | 0.05 mg/m <sup>3</sup> | Respirable dust. |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

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

#### Eye/face protection

Chemical goggles are recommended.

#### Hand protection

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

#### Other

Wear appropriate chemical resistant clothing. Chemical resistant gloves.

#### Skin protection

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Thermal hazards

Not available.

### General hygiene considerations

When using do not smoke. When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Appearance

Not available.

### Physical state

Liquid.

### Form

Liquid.

### Color

Not available.

### Odor

Not available.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

212 °F (100 °C)

### Flash point

100.0 - 120.0 °F (37.8 - 48.9 °C) Cleveland Open Cup

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

### Vapor pressure

Not available.

### Vapor density

> 1 estimated

|  |                |
|--|----------------|
| <b>Relative density</b>                        | Not available. |
| <b>Solubility(ies)</b>                         |                |
| <b>Solubility (water)</b>                      | Not available. |
| <b>Partition coefficient (n-octanol/water)</b> | Not available. |
| <b>Auto-ignition temperature</b>               | Not available. |
| <b>Decomposition temperature</b>               | Not available. |
| <b>Viscosity</b>                               | Not available. |

**Other information**

|                         |                     |
|-------------------------|---------------------|
| <b>Density</b>          | 9.00 - 10.00 lb/gal |
| <b>Percent volatile</b> | 20 - 30 %           |
| <b>Specific gravity</b> | 1.08 - 1.2          |

**10. Stability and reactivity**

|   |   |
|---|---|
| <b>Reactivity</b>                         | Not available.                              |
| <b>Chemical stability</b>                 | Stable under normal temperature conditions. |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.    |
| <b>Conditions to avoid</b>                | Heat, flames and sparks.                    |
| <b>Incompatible materials</b>             | Strong oxidizing agents.                    |
| <b>Hazardous decomposition products</b>   | Irritants. Toxic gas.                       |

**11. Toxicological information**

**Information on likely routes of exposure**

|                     |  |
|---------------------|--|
| <b>Ingestion</b>    | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.            |
| <b>Inhalation</b>   | May cause irritation to the respiratory system. However, this product does not currently meet the criteria for classification. |
| <b>Skin contact</b> | Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis                                 |
| <b>Eye contact</b>  | Causes eye irritation.   |

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

**Information on toxicological effects**

**Acute toxicity** Not classified.

| <b>Product</b>       | <b>Species</b> | <b>Test Results</b>       |
|----------------------|----------------|---------------------------|
| BH5350 (CAS Mixture) |                |                           |
| <b>Acute</b>         |                |                           |
| <i>Oral</i>          |                |                           |
| LD50                 | Mouse          | 31635.791 mg/kg estimated |
|                      | Rat            | 31635.791 mg/kg estimated |

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** May cause defatting of the skin, but is neither an irritant nor a sensitizer.

**Serious eye damage/eye irritation** Not classified. May be irritating to eyes.

**Respiratory or skin sensitization**

|                                  |                     |
|----------------------------------|---------------------|
| <b>Respiratory sensitization</b> | Not available.      |
| <b>Skin sensitization</b>        | Irritating to skin. |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Risk of cancer cannot be excluded with prolonged exposure. This product contains crystalline silica. Silica is a known carcinogen; however in this encapsulated form the normal routes of exposure are unavailable.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

|                         |                                     |
|-------------------------|-------------------------------------|
| ASPHALT (CAS 8052-42-4) | 2B Possibly carcinogenic to humans. |
|-------------------------|-------------------------------------|

QUARTZ (CAS 14808-60-7)

1 Carcinogenic to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens**

QUARTZ (CAS 14808-60-7)

Known To Be Human Carcinogen.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

|   |   |
|---|---|
| <b>Reproductive toxicity</b>                              | Based on available data, the classification criteria are not met. |
| <b>Specific target organ toxicity - single exposure</b>   | Not available.  |
| <b>Specific target organ toxicity - repeated exposure</b> | Not available.  |
| <b>Aspiration hazard</b>                                  | Not classified.   |
| <b>Chronic effects</b>                                    | Not expected to be hazardous by OSHA criteria.                    |
| <b>Further information</b>                                | Symptoms may be delayed.  |

**12. Ecological information**

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | Components of this product are hazardous to aquatic life. Accumulation in aquatic organisms is expected. Not expected to be harmful to aquatic organisms. |
| <b>Persistence and degradability</b> | Not available.  |
| <b>Bioaccumulative potential</b>     | Not available.  |
| <b>Mobility in soil</b>              | Not available.  |
| <b>Other adverse effects</b>         | Not available.  |

**13. Disposal considerations**

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Dispose of this material and its container to hazardous or special waste collection point. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose in accordance with all applicable regulations. |
| <b>Hazardous waste code</b>                  | D001: Waste Flammable material with a flash point <140 F   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations.   |
| <b>Contaminated packaging</b>                | Offer rinsed packaging material to local recycling facilities.   |

**14. Transport information**

|                                     |  |
|-------------------------------------|--|
| <b>DOT</b>                          |  |
| <b>UN number</b>                    | UN1999   |
| <b>UN proper shipping name</b>      | Tars, liquid   |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | Combustible Liquid   |
| <b>Subsidiary risk</b>              | -  |
| <b>Label(s)</b>                     | 3  |
| <b>Packing group</b>                | III  |
| <b>Environmental hazards</b>        |  |
| <b>Marine pollutant</b>             | No   |
| <b>Special precautions for user</b> | If shipped by ground in quantities LESS than 119 gallons (450 L): Not regulated as a hazardous material. |
| <b>Special provisions</b>           | B1, B13, IB3, T1, TP3  |
| <b>Packaging exceptions</b>         | 150  |
| <b>Packaging non bulk</b>           | 203  |
| <b>Packaging bulk</b>               | 242  |
| <b>IATA</b>                         |  |
| <b>UN number</b>                    | UN1999   |
| <b>UN proper shipping name</b>      | Tars, liquid   |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | 3  |
| <b>Subsidiary risk</b>              | -  |
| <b>Packing group</b>                | III  |
| <b>Environmental hazards</b>        | No.  |
| <b>ERG Code</b>                     | 3L   |
| <b>Special precautions for user</b> | Not available.   |

**Other information**

**Passenger and cargo aircraft** Allowed.  
**Cargo aircraft only** Allowed.

**IMDG**

**UN number** UN1999  
**UN proper shipping name** Tars, liquid  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** F-E, S-E  
**Special precautions for user** Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

**DOT****IATA; IMDG****Further information**

If shipped by ground in quantities LESS than 119 gallons (450 L): Not regulated as a hazardous material. If shipped by vessel in quantities less than 7.9 gallons (30 L), IMDG 2.3.2.5 exception applies: Not regulated as a hazardous material.

**15. Regulatory information****US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.  
 CERCLA/SARA Hazardous Substances - Not applicable.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ASPHALT (CAS 8052-42-4) Listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories**

Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312** Yes

**Hazardous chemical**

**SARA 313 (TRI reporting)**

Not regulated.

#### Other federal regulations

##### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

##### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

##### **US. Massachusetts RTK - Substance List**

ASPHALT (CAS 8052-42-4)

QUARTZ (CAS 14808-60-7)

##### **US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

##### **US. Pennsylvania RTK - Hazardous Substances**

ASPHALT (CAS 8052-42-4)

QUARTZ (CAS 14808-60-7)

##### **US. Rhode Island RTK**

Not regulated.

##### **US. California Proposition 65**

##### **US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

ASPHALT (CAS 8052-42-4)

Listed: January 1, 1990

QUARTZ (CAS 14808-60-7)

Listed: October 1, 1988

#### International Inventories

| <b>Country(s) or region</b> | <b>Inventory name</b>  | <b>On inventory (yes/no)*</b> |
|-----------------------------|--|-------------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                           |
| Canada                      | Domestic Substances List (DSL)   | Yes                           |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                            |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                           |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                           |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                            |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                            |
| Korea                       | Existing Chemicals List (ECL)  | No                            |
| New Zealand                 | New Zealand Inventory  | Yes                           |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                           |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                           |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 05-20-2015

**Version #** 02

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**References**  
ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

**Disclaimer**

This safety data sheet was prepared in accordance with the Safety Data Sheet for Chemical Products (JIS Z 7250:2005). Additional information is given in the Material Safety Data Sheet. The information in the sheet was written based on the best knowledge and experience currently available. 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.

**Revision Information**

New email address