1. Identification

This Safety Data Sheet is available in American Spanish upon request. Los Datos de Serguridad pueden obtenerse en Espanol si lo riquiere.

Product Name: Blacktop Asphalt Filler & Sealant
Product UPC Number: 070798180178
Product Use/Class: Asphalt Sealant
Manufacturer: DAP Products Inc.
2400 Boston Street Suite 200
Baltimore, MD 21224-4723
888-327-8477 (non - emergency matters)

Revision Date: 8/30/2017
Supercedes Date: 3/2/2017
SDS No: 00010007001
Preparer: Regulatory Department

SDS Coordinator: MSDS@dap.com

Emergency Telephone: 1-800-535-5053, 1-352-323-3500, 1-800-222-1222

2. Hazards Identification

EMERGENCY OVERVIEW: WARNING! Combustible liquid and vapor. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Keep container closed and away from heat, sparks, and open flame. Store away from caustics and oxidizers. Avoid breathing vapor. Avoid skin and eye contact. May cause eye, skin, nose, throat and respiratory tract irritation. Use only with adequate ventilation. Provide fresh air such that chemical odors cannot be detected during use and while drying. Harmful or fatal if swallowed.
GHS Classification
Acute Tox. 4 Inhalation

Symbol(s) of Product

Possible Hazards
27% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS
Acute Toxicity, Inhalation, category 4  H332  Harmful if inhaled.

GHS LABEL PRECAUTIONARY STATEMENTS
P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
P271  Use only outdoors or in a well-ventilated area.
P304+P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312  Call a POISON CENTER or doctor/physician if you feel unwell.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Wt. %</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>8052-42-4</td>
<td>25-50</td>
<td>GHS07</td>
<td>H332</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>25-50</td>
<td>GHS07</td>
<td>H332</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>10-25</td>
<td>GHS08</td>
<td>H304</td>
</tr>
<tr>
<td>Cellulose</td>
<td>9004-34-6</td>
<td>2.5-10</td>
<td>GHS06</td>
<td>H331</td>
</tr>
<tr>
<td>Attapulgite</td>
<td>12174-11-7</td>
<td>2.5-10</td>
<td>GHS07</td>
<td>H332</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>0.1-1.0</td>
<td>GHS07</td>
<td>H302</td>
</tr>
</tbody>
</table>

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures

FIRST AID - INHALATION: If inhaled, remove to fresh air. If breathing is difficult, leave the area to obtain fresh air. If continued breathing difficulty is experienced, get medical attention immediately. If there are signs or symptoms of hydrogen sulfide exposure (respiratory tract irritation, headache, dizziness, nausea, gastrointestinal disturbances, coughing, a sensation of dryness and pain in the nose, throat and chest, confusion and unconsciousness), move the person to fresh air. If breathing has stopped, apply artificial respiration. Call a doctor.

FIRST AID - SKIN CONTACT: Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist. Remove and wash contaminated clothing.

FIRST AID - EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

FIRST AID - INGESTION: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor from this material will readily ignite at temperatures above 150 degrees F if an ignition source is present. Vapors may form an explosive mixture with air at temperatures above 150 degrees F. Eliminate sources of ignition: heat, electrical equipment, sparks and flames. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Vapors may form explosive mixtures with air. Containers may explode if exposed to extreme heat. Empty containers retain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion.

SPECIAL FIREFIGHTING PROCEDURES: Wear self contained breathing apparatus for fire fighting if necessary.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Water Fog

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Immediately eliminate sources of ignition. Contain spilled
material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Scrape up dried material and place into containers. Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

7. Handling and Storage

HANDLING: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Remove all sources of ignition. Keep away from open flames, hot surfaces and sources of ignition. Provide adequate ventilation. Keep containers closed when not in use. Avoid heat, sparks and open flames. Wear appropriate personal protection. Avoid breathing vapor and contact with eyes, skin and clothing. Use in well ventilated area. Wash thoroughly after handling.

STORAGE: Store away from sources of ignition and heat. Do not store at temperatures above 120 degrees F. Store containers away from excessive heat and freezing. Store away from caustics and oxidizers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

| Ingredients with Occupational Exposure Limits |
|-------------------------------|------------------|------------------|--------|------------------|
| Chemical Name                | ACGIH TLV-TWA    | ACGIH-TLV STEL   | OSHA PEL-TWA | OSHA PEL-CEILING |
| Asphalt                      | 0.5 mg/m3 TWA   | N.E.             | N.E.       | N.E.             |
| Calcium Carbonate            | N.E.            | N.E.             | N.E.       | N.E.             |
| Stoddard solvent             | 100 ppm TWA     | N.E.             | 500 ppm TWA | N.E.             |
| Attapulgite                  | N.E.            | N.E.             | 2900 mg/m3 TWA | N.E.             |
| Cellulose                    | 10 mg/m3 TWA    | N.E.             | 15 mg/m3 TWA | N.E.             |
| Quartz                       | 0.025 mg/m3 TWA | N.E.             | 50 µg/m3 TWA | N.E.             |

Further Advice: MEL = Maximum Exposure Limit  OES = Occupational Exposure Standard  SUP = Supplier's Recommendation  Sk = Skin Sensitizer  N.E. = Not Established

Personal Protection

RESPIRATORY PROTECTION: A NIOSH-approved air purifying respirator with an organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits. If concentrations exceed the exposure limits specified, use of a NIOSH-approved supplied air respirator is recommended. Where the protection factor is exceeded, use of a Self Contained Breathing Apparatus (SCBA) may be necessary. National Institute for Occupational Safety and Health (NIOSH) has recommended that the permissible exposure limit be changed to 50 micrograms respirable free silica per cubic meter of air (0.05 mg/m3) as determined by a full shift sample up to 10-hour work shift. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Wear neoprene gloves.

EYE PROTECTION: Goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Provide eyewash and solvent impervious apron if body contact may occur.
**9. Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Black</td>
</tr>
<tr>
<td>Odor</td>
<td>Strong Solvent</td>
</tr>
<tr>
<td>Density, g/cm³</td>
<td>1.21 - 1.21</td>
</tr>
<tr>
<td>Freeze Point, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>No Information</td>
</tr>
<tr>
<td>Decomposition Temperature, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Boiling Range, °C</td>
<td>N.I. - N.I.</td>
</tr>
<tr>
<td>Minimum Flash Point, °C</td>
<td>63</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Slower Than n-Butyl Acetate</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier Than Air</td>
</tr>
<tr>
<td>Combustibility</td>
<td>Does not support combustion</td>
</tr>
<tr>
<td>Physical State</td>
<td>Paste</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Established</td>
</tr>
<tr>
<td>pH</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Viscosity (mPa.s)</td>
<td>Not Established</td>
</tr>
<tr>
<td>Partition Coeff., n-octanol/water</td>
<td>Not Established</td>
</tr>
<tr>
<td>Explosive Limits, %</td>
<td>N.I. - N.I.</td>
</tr>
<tr>
<td>Auto-Ignition Temperature, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Pressure, mmHg</td>
<td>Pensky-Martens</td>
</tr>
<tr>
<td>Flash Method</td>
<td>Closed Cup</td>
</tr>
</tbody>
</table>

(See "Other information" Section for abbreviation legend)
(If product is an aerosol, the flash point stated above is that of the propellant.)

**10. Stability and Reactivity**

**STABILITY:** Stable at normal temperatures and pressures.

**CONDITIONS TO AVOID:** Excessive heat and freezing. Keep away from open flames, hot surfaces and sources of ignition. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Avoid contact with skin, eyes and clothing.

**INCOMPATIBILITY:** Open flames, hot surfaces and sources of ignition. Keep away from strong oxidizing agents, heat and open flames. Strong acids and strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, nitrogen oxides

**11. Toxicological Information**

**EFFECT OF OVEREXPOSURE - INHALATION:** Inhalation of vapors may cause irritation of the nose, throat, lungs and respiratory tract. This substance contains sulfur compounds that may form hydrogen sulfide. The rotten eggs odor of hydrogen sulfide is unreliable as an indicator of concentration. Signs and symptoms of over exposure to hydrogen sulfide include respiratory tract irritation, headaches, dizziness, nausea, gastrointestinal disturbances, coughing, a sensation of dryness and pain in the nose, throat and chest, confusion and unconsciousness. Hydrogen sulfide concentrations of 1000-2000 ppm can be extremely hazardous. This hazard evaluation is based on data from similar materials.

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** May cause skin irritation. Prolonged exposure to the skin may dry the skin and cause dermatitis or burns.

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** May cause eye irritation.

**EFFECT OF OVEREXPOSURE - INGESTION:** Harmful or fatal if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may result in obstruction when material hardens.

**CARCINOGENICITY:** No Information

**EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS:** The International Agency for Research on Cancer (IARC) has determined that crystalline silica in the form of quartz or cristobalite that is inhaled from occupational sources is carcinogenic to humans (Group 1- carcinogenic to humans). Refer to IARC Monograph 68, Silica, Some Silicates and Organic Fibres (published in June 1997) in conjunction with the use of these materials. The National Toxicology Program (NTP) classifies respirable crystalline silica as "known to be a human carcinogen". Refer to the 9th Report on Carcinogens (2000). The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (Group A2). This product contains clay, which contains crystalline silica. Crystalline silica has been listed as a carcinogen by IARC; however, the particles are coated with asphalt and are not available for inhalation. As such, there is little or no chance of inhalation of crystalline silica and resultant diseases. Breathing dust containing respirable crystalline silica may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may have the following serious chronic health effects: Excessive inhalation of respirable dust can cause pneumatic, a respiratory disease, which can result in delayed, progressive, disabling and sometimes fatal lung injury. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. Smoking exacerbates this disease. Individuals with pneumatic are predisposed to develop tuberculosis. There is some
evidence that breathing respirable crystalline silica or the disease silicosis is associated with an increased incidence of significant
disease endpoints such as scleroderma (an immune system disorder manifested by fibrosis of the lungs, skin and other internal
organs) and kidney disease. Studies in which mice were exposed to a variety of whole asphalts did not result in any increased
cancer rate; mice exposed to asphalts diluted with hydrocarbon solvents had increased incidence of certain types of cancer. Brief or
intermittent skin contact with this asphalt product is not expected to produce any delayed effects. While normal handling of this
product is not likely to cause cancer in humans, skin contact and breathing of mists or vapors should be reduced to a minimum.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Inhalation, Skin Contact

**Acute Toxicity Values**
The acute effects of this product have not been tested. Data on individual components are tabulated below

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
<td>&gt;5000 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>&gt;20 mg/L</td>
</tr>
<tr>
<td>471-34-1</td>
<td>Calcium Carbonate</td>
<td>6450 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>&gt;20 mg/L</td>
</tr>
<tr>
<td>8052-41-3</td>
<td>Stoddard solvent</td>
<td>&gt;7000 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>21 mg/L Rat</td>
</tr>
<tr>
<td>9004-34-6</td>
<td>Cellulose</td>
<td>&gt;5000 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>&gt;5.8 mg/L Rat</td>
</tr>
<tr>
<td>12174-11-7</td>
<td>Attapulgite</td>
<td>N.I.</td>
<td>N.I.</td>
<td>20 mg/kg</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz</td>
<td>500 mg/kg Rat</td>
<td>&gt;2000 mg/kg</td>
<td>&gt;20 mg/L</td>
</tr>
</tbody>
</table>

N.I. = No Information

**12. Ecological Information**

**ECOLOGICAL INFORMATION:** No Information

**13. Disposal Information**

**DISPOSAL INFORMATION:** This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous
Waste Management Regulation, 40 CFR Section 261. Dispose as hazardous waste according to all local, state, federal and provincial
regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper
waste disposal is with the owner of the waste. Liquids cannot be disposed of in a landfill. Do not flush into surface water or sanitary
sewer system.

**14. Transport Information**

**SPECIAL TRANSPORT PRECAUTIONS:** Not regulated for transport as packaged. Not regulated for transport in nonbulk containers
(≤ 450 liters (119 gallons). The U.S. Department of Transportation (DOT) classification above is ONLY when transported in bulk
containers (> 450 liters, 119 gallons).

Not a dangerous good under Internation Air Transport (IATA).

Not a dangerous good under Internation Maritime Transport (IMO).

**DOT UN/NA Number:** NA1993

**DOT Proper Shipping Name:** Combustible liquid, n.o.s.

**DOT Technical Name:** (Stoddard solvent)

**DOT Hazard Class:** N.A.

**Hazard SubClass:** N.A.

**Packing Group:** III
15. Regulatory Information

U.S. Federal Regulations:

**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- Fire Hazard
- Acute Health Hazard
- Chronic Health Hazard

**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No SARA 313 components exist in this product.

**TOXIC SUBSTANCES CONTROL ACT:**

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information

**Revision Date:** 8/30/2017  
**Supersedes Date:** 3/2/2017  
**Reason for revision:** Substance and/or Product Properties Changed in Section(s):  
01 - Product Information
02 - Hazards Identification
11 - Toxicological Information
15 - Regulatory Information
Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

VOC Less Water Less Exempt Solvent, g/L: 181.5
VOC Material, g/L: 181
VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 15.0

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H331: Toxic if inhaled.
- H332: Harmful if inhaled.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

[Image of GHS06 pictogram]
Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.