* 1 Identification

**Product identifier**

- **Trade name:** Bituthene Mastic
- **SDS ID Number:** 60026

**Relevant identified uses of the substance or mixture, and uses advised against**

Specialty construction product. Not intended for other uses.

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

- **Manufacturer/Supplier:**
  - GCP Applied Technologies
  - 62 Whittemore Avenue
  - Cambridge, MA 02140 USA
- **GCP Canada, Inc.**
  - 294 Clements Road W.
  - Ajax, Ontario L1S 3C6 Canada

- **Information department:**
  - Environmental Health & Safety
  - USA: +1-617-876-1400 (24 hours)
  - +1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
  - CAN: 1-905-683-8561 (24 hours)

- **Transport Emergency:** Chemtrec +1-800-424-9300 (24 hours)

* 2 Hazard(s) identification

**Classification of the substance or mixture**

- Flammable liquid and vapor.
- Causes damage to organs through prolonged or repeated exposure. May cause damage to the central nervous system through prolonged or repeated exposure.

**Label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS)

**Hazard pictograms**

- GHS02
- GHS08

**Danger**

**Hazard statements**

- Flammable liquid and vapor.
- Causes damage to organs through prolonged or repeated exposure. May cause damage to the central nervous system through prolonged or repeated exposure.

**Precautionary statements**

- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Wear protective gloves / eye protection / face protection.
- Keep container tightly closed.
Trade name: *Bituthene Mastic*

Take precautionary measures against static discharge.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Store in a well-ventilated place. Keep cool.

**Hazard description:** Flammable

**NFPA ratings (scale 0 - 4)**
- Health = 3
- Fire = 2
- Reactivity = 0

**HMIS-ratings (scale 0 - 4)**
- Health: *3
- Flammability = 2
- Reactivity = 0

**Other hazards**

**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

**Chemical characterization:** Mixtures

**Description:** Mixture of the substances listed below with additional nonhazardous ingredients.

<table>
<thead>
<tr>
<th>Hazardous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4 Asphalt</td>
<td>50-100%</td>
</tr>
<tr>
<td>64742-95-6 Solvent naphtha (petroleum), light aromatic</td>
<td>25-30%</td>
</tr>
<tr>
<td>8052-41-3 Stoddard solvent</td>
<td>1.0-3.0%</td>
</tr>
<tr>
<td>9004-34-6 Cellulose</td>
<td>1.0-3.0%</td>
</tr>
</tbody>
</table>

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First-aid measures

**Description of first aid measures**

**General information:**
Get medical advice/attention if you feel unwell.

**After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse cautiously with water for several minutes.

**After swallowing:** If symptoms persist consult doctor.

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed** No further relevant information available.
5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

Special hazards arising from the substance or mixture: No further relevant information available.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

* 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:
Dispose contaminated material as waste according to section 13 of the SDS.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling
Prevent formation of aerosols. Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.
Avoid contact with skin.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Use only in explosion protected area.
Protect against electrostatic charges.
Use explosion-proof apparatus / fittings and spark-proof tools.
Empty containers may retain hazardous residue, both liquid and vapor.
Trade name: Bituthene Mastic

Conditions for safe storage, including any incompatibilities

Storage:

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4 Asphalt</td>
</tr>
<tr>
<td>REL (USA)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>TLV (USA)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8052-41-3 Stoddard solvent</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
</tr>
<tr>
<td>REL (USA)</td>
</tr>
<tr>
<td>Ceiling limit value: 1800* mg/m³</td>
</tr>
<tr>
<td>*15-min</td>
</tr>
<tr>
<td>TLV (USA)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9004-34-6 Cellulose</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL (USA)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>REL (USA)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>TLV (USA)</td>
</tr>
</tbody>
</table>

Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>8052-42-4 Asphalt</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI (USA)</td>
</tr>
<tr>
<td>Medium: urine</td>
</tr>
<tr>
<td>Time: end of shift at end of workweek</td>
</tr>
<tr>
<td>Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)</td>
</tr>
</tbody>
</table>

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:
Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Protective gloves
Material of gloves
Nitrile rubber.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection:

Safety glasses with side shield protection.

A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:
Use personal protective equipment as required.
Take off contaminated clothing.

9 Physical and chemical properties
Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>General Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Form:</td>
<td></td>
</tr>
<tr>
<td>Color:</td>
<td>Dark brown</td>
</tr>
<tr>
<td>Odor:</td>
<td>Petroleum-like</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH-value (~):</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>149 °C (300 °F)</td>
</tr>
<tr>
<td>Flash point:</td>
<td>40 °C (104 °F)</td>
</tr>
</tbody>
</table>

| Flammability (solid, gaseous): | Not applicable. |
| Decomposition temperature:     | Not determined. |
| Auto igniting:                  | Product is not selfigniting. |
| Danger of explosion:            | In use, may form flammable/explosive vapor-air mixture. |

| Explosion limits:               |       |
| Lower:                           | Not determined. |
| Upper:                           | Not determined. |
| VOC Content (max):               | See Section 15 |

| Vapor pressure at 20 °C (68 °F): | 10 hPa (8 mm Hg) |
| Density: (~) at 20 °C (68 °F):    | 1 g/cm³ (8.345 lbs/gal) |
| Relative density                  | Not determined. |
| Vapor density                     | Not determined. |
| Evaporation rate                  | Not determined. |

| Solubility in / Miscibility with |       |
| Water:                           | Not miscible or difficult to mix. |
Trade name: Bituthene Mastic

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
- Dynamic: Not determined.
- Kinematic: Not determined.
- Molecular weight: Not applicable.

Other information
No further relevant information available.

10 Stability and reactivity

Reactivity
Stable under normal conditions.

Chemical stability
Thermal decomposition: No decomposition if used according to specifications.

Conditions to avoid
No further relevant information available.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products:
Carbon monoxide and carbon dioxide
Other potentially hazardous products may also be formed.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

<table>
<thead>
<tr>
<th>LD/LC50 values relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-95-6 Solvent naphtha (petroleum), light aromatic</td>
</tr>
<tr>
<td>Oral LD50</td>
</tr>
<tr>
<td>Dermal LD50</td>
</tr>
<tr>
<td>Inhalation LC50, 4h</td>
</tr>
</tbody>
</table>

Primary irritant effect:
- on the skin: No irritating effect expected
- on the eye: No irritating effect expected
- inhalation: No irritating effect expected

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity:
- Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

| 8052-42-4 Asphalt | 2B |
| 9003-55-8 Styrene-butadiene rubber | 3 |
| 12174-11-7 Clay | 3 |

NTP (National Toxicology Program)
- K–Known to be carcinogenic, Ŕ–May reasonably be anticipated to be carcinogenic

None of the ingredients is listed.
Trade name: *Bituthene Mastic*

### 12 Ecological information

**Toxicity**

Aquatic toxicity: No further relevant information available.

Fish toxicity

Solvent naptha (petroleum), light aromatic: 96 hr LC50 Oncorhynchus mykiss 9.22 mg/l.
Cellulose: 96 hr LC50 Fish (Piscis) 100.00 mg/l.

*Water flea toxicity* Solvent naptha (petroleum), light aromatic: 48 hr EC50 Daphnia magna, 6.14 mg/l.

**Persistence and degradability** No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

**Other adverse effects** No further relevant information available.

### 13 Disposal considerations

**Waste treatment methods**

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

### 14 Transport information

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT</th>
<th>IMDG, IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Non-bulk DOT shipments not regulated.</td>
<td>UN1263</td>
</tr>
</tbody>
</table>

**UN proper shipping name**

IMDG, IATA PAINT
### Transport hazard class(es)

**IMDG, IATA**

<table>
<thead>
<tr>
<th>Class</th>
<th>3 Flammable liquids</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label</td>
<td>3</td>
</tr>
</tbody>
</table>

**Packing group**

**IMDG, IATA**

| Packing group | III |

### Environmental hazards:

**Marine pollutant:** No

### Special precautions for user

**Warning:** Flammable liquids

**Danger code (Kemler):** 30

**EMS Number:** F-E,S-E

**Stowage Category**

A

### Transport/Additional information:

**DOT**

**Remarks:** Non-bulk DOT shipments not regulated.

**IMDG**

**Limited quantities (LQ):** 5L

**Excepted quantities (EQ):** Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

### UN "Model Regulation":

UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

#### SARA (Superfund Amendments and Reauthorization Act)

**Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

None of the ingredients is listed.

**SARA Section 312/Tier I & II Hazard Categories:**

<table>
<thead>
<tr>
<th>Health Delayed (chronic)</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Immediate (acute)</td>
<td>Yes</td>
</tr>
<tr>
<td>Reactive</td>
<td>No</td>
</tr>
<tr>
<td>Flammable</td>
<td>Yes</td>
</tr>
<tr>
<td>Pressure</td>
<td>No</td>
</tr>
</tbody>
</table>

### North America Chemical Inventory Status

**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian DSL):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**Right to Know Ingredient Disclosure:**

9003-55-8 Styrene-butadiene rubber
43.0

12174-11-7 Clay
64742-16-1 Petroleum Hydrocarbon Resin

California Proposition 65
Chemicals known to cause cancer:
Clay

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Carcinogenicity Categories
EPA (Environmental Protection Agency)
None of the ingredients is listed.

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)
Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable
Asphalt A4

NIOSH-Cancer (National Institute for Occupational Safety and Health)
8052-42-4 Asphalt
Volatile Organic Compounds (VOC) reported per the Emission Standards. 225 g/L

* 16 Other information
The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

Department issuing SDS:
GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414
Date of preparation / last revision 07/25/2016 / 1.0
The first date of preparation 03/03/2015
Number of revision times and the latest revision date 1.1 / 07/25/2016