

1 Identification

Product identifier

Trade name: *Bituthene Liquid Membrane Part A*

SDS ID Number: 60025

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)
Email address: msds.gcp@gcpat.com

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

2 Hazard(s) identification

Classification of the substance or mixture

May cause cancer.

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

Hazard pictograms



GHS08

Danger

Hazard statements

May cause cancer.

Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection.

Do not handle until all safety precautions have been read and understood.

Obtain special instructions before use.

IF exposed or concerned: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA ratings (scale 0 - 4)



Health = 2

Fire = 1

Reactivity = 1

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HMIS-ratings (scale 0 - 4)

| | |
|------------|---|
| HEALTH | 2 |
| FIRE | 1 |
| REACTIVITY | 1 |

Health = *2

Flammability = 1

Reactivity = 1

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**3 Composition/information on ingredients****Chemical characterization: Mixture****Description:** Mixture of the hazardous substance(s) listed below with additional nonhazardous ingredients.**Hazardous components:**

| | | |
|-------------|---|----------|
| 8052-42-4 | Asphalt | 20-25% |
| 64742-04-7 | Extracts (petroleum), heavy paraffinic distillate solvent | 10-20% |
| 130498-29-2 | Polycyclic Aromatic Hydrocarbons | 0.1-0.3% |

Additional information: Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.**4 First-aid measures****Description of first aid measures****General information:**

Get medical advice/attention if you feel unwell.

After inhalation:

If symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

After skin contact:

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

If residue remains, clean with waterless handcream or abrasive soap. Never use solvents.

After eye contact:

If contact with residue causes eye irritation, flush eyes with water for at least 15 minutes while holding eyelids open.

After swallowing: Do not induce vomiting; immediately call for medical help.**Information for doctor:****Most important symptoms and effects, both acute and delayed** No further relevant information available.**Indication of any immediate medical attention and special treatment needed** No further relevant information available.**5 Fire-fighting measures****Extinguishing media****Suitable extinguishing agents:** CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.**Special hazards arising from the substance or mixture** No further relevant information available.**Additional information**

Cool endangered receptacles with water spray.

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

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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Do not allow product to reach sewage system or any water course.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

Pick up mechanically.

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

Open and handle receptacle with care.

Prevent formation of aerosols.

Avoid contact with skin and eyes.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Information about storage in one common storage facility: No special measures required.

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

Components with limit values that require monitoring at the workplace:

8052-42-4 Asphalt

| | |
|-----------|---|
| REL (USA) | Ceiling limit value: 5* mg/m ³ *15-min; See Pocket Guide App. A |
| TLV (USA) | Long-term value: 0.5* mg/m ³ *inh. fraction; as benzene-soluble aerosol; BEIp |

Ingredients with biological limit values:

8052-42-4 Asphalt

| | |
|-----------|---|
| BEI (USA) | - Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative) |
|-----------|---|

130498-29-2 Polycyclic Aromatic Hydrocarbons

| | |
|-----------|--|
| BEI (USA) | Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative) |
|-----------|--|

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

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Exposure controls
Personal protective equipment:
General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Store protective clothing separately.

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: Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

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
General Information
Appearance:

| | |
|------------------------|------------------------------------|
| Form: | Liquid |
| Color: | According to product specification |
| Odor: | Characteristic |
| Odor threshold: | Not determined. |

pH-value (~): Not determined.

Change in condition

| | |
|-------------------------------------|-----------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | Undetermined. |
| Flash point: | 200 °C (392 °F) |

Flammability (solid, gaseous): Not applicable.

| | |
|-----------------------------------|---|
| Decomposition temperature: | Not determined. |
| Auto igniting: | Product is not selfigniting. |
| Danger of explosion: | Product does not present an explosion hazard. |

Explosion limits:

| | |
|---------------------------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |
| VOC Content (max): | Not determined. |

| | |
|--------------------------------------|--------------------------------------|
| Vapor pressure: | Not determined. |
| Density: (~) at 20 °C (68 °F) | 1.1 g/cm ³ (9.18 lbs/gal) |
| Relative density | Not determined. |
| Vapor density | Not determined. |
| Evaporation rate | Not determined. |

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Solubility in / Miscibility with Water: Not miscible or difficult to mix.

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.

Possibility of hazardous reactions: No further relevant information available.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Other potentially hazardous products may also be formed.

Additional information: See section 7 for information on handling, storage and conditions to be avoided.

11 Toxicological information**Information on toxicological effects****Acute toxicity:****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: May cause cancer.

Carcinogenic categories

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

| | | |
|-------------|---|----|
| 69012-64-2 | Silica, fume | 3 |
| 8052-42-4 | Asphalt | 2B |
| 64742-04-7 | Extracts (petroleum), heavy paraffinic distillate solvent | 1 |
| 130498-29-2 | Polycyclic Aromatic Hydrocarbons | 2A |

NTP (National Toxicology Program)

K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

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12 Ecological information**Toxicity****Aquatic toxicity:**

64742-04-7 Extracts (petroleum), heavy paraffinic distillate solvent

LC/EC/IC50 (static) | 18.8 mg/l (algae) (OECD guideline 201)

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.**Additional ecological information:****General notes:** Not known to be hazardous to water.**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** Comply with Federal, State and local regulations.**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****UN-Number**

DOT, IMDG, IATA

Not applicable.

UN proper shipping name

DOT, IMDG, IATA

Not applicable.

Transport hazard class(es)

DOT, IMDG, IATA

Class

Not applicable.

Packing group

DOT, IMDG, IATA

Not applicable.

Environmental hazards:**Marine pollutant:**

No

Special precautions for user

Not applicable.

Transport/Additional information: Not classified as a dangerous good for transport by road, rail or air.**DOT****Remarks:**

Not Regulated.

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UN "Model Regulation": Not applicable.

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: Health Hazard - Carcinogenicity**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:

| | |
|------------|--|
| 69012-64-2 | Silica, fume |
| 69102-90-5 | 1,3-Butadiene, homopolymer, hydroxy-terminated |
| 25791-96-2 | Glycerol, propylene oxide polymer |
| 8001-78-3 | Castor oil, hydrogenated |
| 1332-58-7 | Natural aluminosilicate (Kaolin) |

California Proposition 65**Chemicals known to cause cancer:**

Extracts (petroleum), heavy paraffinic distillate solvent

Polycyclic Aromatic Hydrocarbons

Quartz (SiO₂)

4-vinylcyclohexene

1,3-Butadiene

Chemicals known to cause reproductive toxicity for females:

100-40-3 | 4-vinylcyclohexene

106-99-0 | 1,3-Butadiene

Chemicals known to cause reproductive toxicity for males:

106-99-0 | 1,3-Butadiene

Chemicals known to cause developmental toxicity:

106-99-0 | 1,3-Butadiene

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

Natural aluminosilicate (Kaolin)

A4

NIOSH-Cancer (National Institute for Occupational Safety and Health)

8052-42-4 | Asphalt

Volatile Organic Compounds (VOC) reported per the Emission Standards. (gr/L) 10 gr/L (as applied)**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.

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Department issuing SDS:

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Cambridge, MA 02140 USA
USA: +1-617-876-1400 (24 hours)
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Other Information:

There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore preventing the onset of silicosis will also reduce the cancer risk.

Date of preparation / last revision 10/28/2016 / -

The first date of preparation 03/03/2015

Number of revision times and the latest revision date 1.0 / 10/28/2016

USGHS