

Safety Data Sheet

Printing date 07/25/2016

Version Number 1.1

Reviewed on 07/25/2016

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.

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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.**Hazardous components:**

8052-42-4	Asphalt	50-100%
64742-95-6	Solvent naphtha (petroleum), light aromatic	25-30%
8052-41-3	Stoddard solvent	1.0-3.0%
9004-34-6	Cellulose	1.0-3.0%

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.

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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, 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.

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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****Components with limit values that require monitoring at the workplace:****8052-42-4 Asphalt**REL (USA) Ceiling limit value: 5* mg/m³
15-min; See Pocket Guide App. ATLV (USA) Long-term value: 0.5 mg/m³
*inh. fraction; as benzene-soluble aerosol; BEIp**8052-41-3 Stoddard solvent**PEL (USA) Long-term value: 2900 mg/m³, 500 ppmREL (USA) Long-term value: 350 mg/m³
Ceiling limit value: 1800* mg/m³
*15-minTLV (USA) Long-term value: 525 mg/m³, 100 ppm**9004-34-6 Cellulose**PEL (USA) Long-term value: 15* 5** mg/m³
*total dust **respirable fractionREL (USA) Long-term value: 10* 5** mg/m³
*total dust **respirable fractionTLV (USA) Long-term value: 10 mg/m³**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)**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

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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****General Information****Appearance:**

Form:	Liquid
Color:	Dark brown
Odor:	Petroleum-like
Odor threshold:	Not determined.

pH-value (~): Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	149 °C (300 °F)
Flash point:	40 °C (104 °F)

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/cm ³ (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.

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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:****LD/LC50 values relevant for classification:****64742-95-6 Solvent naphtha (petroleum), light aromatic**

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rabbit)
Inhalation	LC50, 4h	>10.2 mg/l (rat)

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, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients is listed.

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OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**Toxicity****Aquatic toxicity:** No further relevant information available.**Fish toxicity**

Solvent naphtha (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 naphtha (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****UN-Number**

DOT

IMDG, IATA

Non-bulk DOT shipments not regulated.

UN1263

UN proper shipping name

IMDG, IATA

PAINT

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Transport hazard class(es)

IMDG, IATA



Class	3 Flammable liquids
Label	3

Packing group

IMDG, IATA 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:

Health Delayed (chronic)	Yes
Health Immediate (acute)	Yes
Reactive	No
Flammable	Yes
Pressure	No

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

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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

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