

Safety Data Sheet

Printing date 07/03/2024

Version Number 1.0

Reviewed on 07/03/2024

1 Identification

Product identifier

Trade name: ***Bituthene Adhesive Primer B2 LVC***

SDS ID Number: 60028

Relevant identified uses of the substance or mixture, and uses advised against:
Specialty construction product. Not intended for other uses.

Identified uses advised against:

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

USA:
GCP Applied Technologies Inc.
20 Moores Road
Malvern, PA 19355
United States of America

Telephone: 1-800-233-8990
Website: www.certainteed.com

Canada:
GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6
Canada

Telephone: (905) 823-0473
Website: www.certainteed.ca

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

Flammable liquid and vapor.

Harmful if inhaled.

Causes skin irritation.

May cause damage to the hearing organs through prolonged or repeated exposure.

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

Hazard pictograms



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Warning

Hazard statements

Flammable liquid and vapor.

Harmful if inhaled.

Causes skin irritation.

May cause damage to the hearing organs through prolonged or repeated exposure.

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

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

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a poison center/doctor if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Hazard description: Flammable**NFPA ratings (scale 0 - 4)**

Health = 2

Fire = 3

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = *3

Flammability = 3

Reactivity = 0

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:**

616-38-6	dimethyl carbonate	22-<30%
1330-20-7	Xylene (mixture of isomers)	10-<15%
64475-85-0	Solvent	5-<7.5%
8052-42-4	Asphalt	5-<7.5%
100-41-4	Ethylbenzene	3-<5%

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.

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After inhalation:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF INHALED: Call a doctor if you feel unwell.

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.

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

Rinse mouth.

Do NOT induce vomiting.

Immediately call a doctor.

Information for doctor:**Most important symptoms and effects, both acute and delayed** Dizziness**Indication of any immediate medical attention and special treatment needed**

If skin irritation occurs: Get medical advice/attention.

5 Fire-fighting measures**Extinguishing media****Suitable extinguishing agents:** CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

CO, CO₂.**Advice for firefighters****Protective equipment:** Wear personal protective equipment.**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.

Environmental precautions: Prevent seepage into sewage system, workpits and cellars.**Methods and material for containment and cleaning up:**

Dispose of the collected material according to regulations.

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.

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* 7 Handling and storage

Handling:**Precautions for safe handling** Prevent formation of aerosols.**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Empty containers may retain hazardous residue, both liquid and vapor.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Ground/bond container and receiving equipment.

Conditions for safe storage, including any incompatibilities**Storage:****Information about storage in one common storage facility:**

Use only in explosion protected area.

Keep respirator available.

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 section 7.**Control parameters****Components with limit values that require monitoring at the workplace:****1330-20-7 Xylene (mixture of isomers)**

EL (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm
EV (Canada)	Short-term value: 650 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 20 ppm BEI, A4

8052-42-4 Asphalt

EL (Canada)	Long-term value: 0.5 mg/m ³ inhalable; IARC 2A: oxidized; IARC 2B: straight-run
EV (Canada)	Long-term value: 0.5 mg/m ³ fume, as benzene-soluble aerosol, inhalable
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. ; as benzene-soluble aerosol; A4, BEI-P

100-41-4 Ethylbenzene

EL (Canada)	Long-term value: 20 ppm IARC 2B
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EV (Canada)	Short-term value: 540 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 20 ppm OTO, BEI, A3

Ingredients with biological limit values:**1330-20-7 Xylene (mixture of isomers)**

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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8052-42-4 Asphalt

BEI (USA)	- Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)
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100-41-4 Ethylbenzene

BEI (USA)	0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)
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Additional information:

The lists that were valid during the creation were used as basis.
Canadian employers must consult the exposure limits in their province.

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.).

A chemical cartridge respirator with organic vapor cartridge is required if occupational exposure limits are exceeded. A dust/mist cartridge or prefilter may be needed in addition to control exposure to mist. Supplied air respirator (SCBA) is required at exposure levels above the capabilities of a chemical cartridge respirator.

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

Material of gloves Rubber or other impervious gloves should be worn to prevent skin contact.

Eye protection:

Safety glasses with side shield protection.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

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* 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

Boiling point/Boiling range: 161 °C (321.8 °F)

Flash point: 27 °C (80.6 °F)

Flammability (solid, gaseous): Flammable.

Auto igniting: 465 °C (869 °F)

Decomposition temperature: Not determined.

Ignition temperature: Not determined.

Danger of explosion: In use, may form flammable/explosive vapor-air mixture.

Lower: 1.7 Vol %

Upper: 7.6 Vol %

Vapor pressure at 20 °C (68 °F): 7 hPa (5.3 mm Hg)

Density: (~) at 20 °C (68 °F) 1 g/cm³ (8.3 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.

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

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

Molecular weight: Not determined.

Other information

No further relevant information available.

* 10 Stability and reactivity

Reactivity

Stable under normal conditions.

No further relevant information available.

Chemical stability

Thermal decomposition: No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.

No further relevant information available.

Conditions to avoid Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products:

Carbon monoxide and carbon dioxide

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Other potentially hazardous products may also be formed.

* 11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

616-38-6 dimethyl carbonate

Dermal	LD50	13,000 mg/kg (rat)
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1330-20-7 Xylene (mixture of isomers)

Oral	LD50	3,523 mg/kg (rat)
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Inhalation	LC50, 4h	26 mg/m ³ (rat)
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100-41-4 Ethylbenzene

Dermal	LD50	3,500 mg/kg (rat)
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	LD50	17,800 mg/kg (rabbit)
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Primary irritant effect:

on the skin: Causes skin irritation.

on the eye: No irritating effect expected

inhalation: Harmful if inhaled.

Ingestion: May cause damage to the hearing organs through prolonged or repeated exposure.

Additional toxicological information:

Over exposure by inhalation or ingestion may be fatal. Xylene contained in this product can affect the skin, heart, brain, liver, kidneys and lungs. Chronic exposure may harm a developing fetus and damage bone marrow causing low red blood cell count. Some harmful effects are also possible through skin absorption.

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity:

Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

1330-20-7	Xylene (mixture of isomers)	3
8052-42-4	Asphalt	2B
100-41-4	Ethylbenzene	2B
1333-86-4	Carbon black	2B

NTP (National Toxicology Program)

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

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

* 12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

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.

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Additional ecological information:**General notes:** Not known to be hazardous to water.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**13 Disposal considerations****Disposal methods:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

Recommendation:

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

Uncleaned packagings:**Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.**14 Transport information****UN-Number**

DOT, IMDG, IATA

UN3275

UN proper shipping name

DOT

IMDG, IATA

Nitriles, toxic, flammable, n.o.s. (Xylenes, Dimethyl carbonate)

NITRILES, TOXIC, FLAMMABLE, N.O.S. (XYLENES, DIMETHYL CARBONATE)

Transport hazard class(es)

DOT



Class

Label

6.1 Toxic substances

6.1, 3

IMDG



Class

Label

6.1 Toxic substances

6.1/3

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IATA



Class 6.1 Toxic substances
Label 6.1 (3)

Packing group
DOT, IMDG, IATA I

Environmental hazards:
Marine pollutant: No
 Yes (DOT)

Special precautions for user Warning: Toxic substances
Hazard identification number (Kemler code): 663
EMS Number: F-E,S-D
Stowage Category B
Stowage Code SW2 Clear of living quarters.
Segregation Code SG35 Stow "separated from" SGG1-acids

Transport/Additional information:

DOT
Remarks: Special marking with the symbol (fish and tree).

IMDG
Limited quantities (LQ) 0
Excepted quantities (EQ) Code: E5
 Maximum net quantity per inner packaging: 1 ml
 Maximum net quantity per outer packaging: 300 ml

UN "Model Regulation": UN 3275 NITRILES, TOXIC, FLAMMABLE, N.O.S. (XYLENES, DIMETHYL CARBONATE), 6.1 (3), I

* **15 Regulatory information****Other regulations in domestic and foreign countries****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):

1330-20-7	Xylene (mixture of isomers)	12.0%
100-41-4	Ethylbenzene	3.3%

SARA Section 312/Tier I & II Hazard Categories:

Physical Hazard - Flammable (gases, aerosols, liquids, or solids)

Health Hazard - Acute toxicity (any route of exposure)

Health Hazard - Skin Corrosion or Irritation

Health Hazard - Specific target organ toxicity (single or repeated exposure)

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:

68131-77-1 | Petroleum resin

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California Proposition 65: (Substances <0.1% unless noted in Section 3)**Chemicals known to cause cancer:**

Ethylbenzene

Carbon black

Toluene

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

108-88-3 Toluene

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

Xylene (mixture of isomers)

A4

Asphalt

A4

Ethylbenzene

A3

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

8052-42-4 Asphalt

1333-86-4 Carbon black

Volatile Organic Compounds (VOC) reported per the Emission Standards. 192 grams/liter**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:**The first date of preparation** 03/04/2015**Number of revision times and the latest revision date** 1.0 / 07/03/2024

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