

## Safety Data Sheet

Printing date 04/09/2015

Version Number 1.0

Reviewed on 04/09/2015

**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

**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

W.R. Grace & Co. -Conn.  
62 Whittemore Avenue  
Cambridge, MA 02140 USA

Grace 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 Composition/information on ingredients****Chemical characterization: Mixtures**

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

| <b>Hazardous components:</b> |                                      |          |
|------------------------------|--------------------------------------|----------|
| 68478-07-9                   | Hydrocarbon Resin                    | 30-50%   |
| 95-47-6                      | Xylene (o)                           | 10-20%   |
| 8052-41-3                    | Stoddard solvent                     | 2.0-5.0% |
| 63449-39-8                   | Paraffin waxes and hydrocarbon waxes | 1.0-2.0% |
| 8052-42-4                    | Asphalt                              | 1.0-2.0% |
| 100-41-4                     | Ethylbenzene                         | 0.1-1.0% |

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

**3 Hazard(s) identification****Classification of the substance or mixture**

Flammable liquid and vapour.  
May cause genetic defects.  
May cause cancer.  
Causes skin irritation.

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**GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).**Hazard pictograms**

GHS02

GHS07

GHS08

Danger

**Hazard-determining components of labeling:**

Stoddard solvent

Asphalt

**Precautionary statements**

Keep away from flames and hot surfaces. – No smoking.

Wear protective gloves / eye protection / face protection.

Keep container tightly closed.

Take precautionary measures against static discharge.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation occurs: Get medical advice/attention.

**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

**4 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:**

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.**5 Fire-fighting measures****Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

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**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:

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

Sweep up spilled product into receptacles.

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.

### Storage:

**Information about storage in one common storage facility:** Use only in explosion protected area.

**Further information about storage conditions:** Keep receptacle tightly sealed.

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

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**8 Exposure controls/personal protection****Additional information about design of technical systems:** No further data; see item 7.**Components with limit values that require monitoring at the workplace:****95-47-6 Xylene (o)**PEL (USA) Long-term value: 435 mg/m<sup>3</sup>, 100 ppmREL (USA) Short-term value: 655 mg/m<sup>3</sup>, 150 ppmLong-term value: 435 mg/m<sup>3</sup>, 100 ppmTLV (USA) Short-term value: 651 mg/m<sup>3</sup>, 150 ppmLong-term value: 434 mg/m<sup>3</sup>, 100 ppm

BEI

**8052-41-3 Stoddard solvent**PEL (USA) Long-term value: 2900 mg/m<sup>3</sup>, 500 ppmREL (USA) Long-term value: 350 mg/m<sup>3</sup>Ceiling limit value: 1800\* mg/m<sup>3</sup>

\*15-min

TLV (USA) Long-term value: 525 mg/m<sup>3</sup>, 100 ppm**8052-42-4 Asphalt**REL (USA) Ceiling limit value: 5\* mg/m<sup>3</sup>

\*15-min; See Pocket Guide App. A

TLV (USA) Long-term value: 0.5\* mg/m<sup>3</sup>

\*inh. fraction; as benzene-soluble aerosol; BEIp

**Ingredients with biological limit values:****95-47-6 Xylene (o)**

BEI (USA) 1.5 g/g creatinine

Medium: urine

Time: end of shift

Parameter: Methylhippuric acids

**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.**Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:**

A chemical cartridge respirator with organic vapor cartridge is required. 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**

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

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**Eye protection:**

Safety glasses with side shield protection.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.



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 and wash before reuse.

## 9 Physical and chemical properties

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

|                         |                                    |
|-------------------------|------------------------------------|
| <b>Form:</b>            | Liquid                             |
| <b>Color:</b>           | According to product specification |
| <b>Odor:</b>            | Characteristic                     |
| <b>Odour threshold:</b> | Not determined.                    |

**pH-value (~):** Not determined.

**Change in condition**

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Melting point/Melting range:</b> | Undetermined.   |
| <b>Boiling point/Boiling range:</b> | 161 °C (322 °F) |
| <b>Flash point:</b>                 | 27 °C (81 °F)   |

**Flammability (solid, gaseous):** Not applicable.

|                                   |   |
|-----------------------------------|---|
| <b>Decomposition temperature:</b> | Not determined.   |
| <b>Auto igniting:</b>             | Product is not selfigniting.                            |
| <b>Danger of explosion:</b>       | In use, may form flammable/explosive vapor-air mixture. |

**Explosion limits:**

|                           |                 |
|---------------------------|-----------------|
| <b>Lower:</b>             | 1.7 Vol %       |
| <b>Upper:</b>             | 7.6 Vol %       |
| <b>VOC Content (max):</b> | Not determined. |

|   |                                     |
|---|-------------------------------------|
| <b>Vapor pressure at 20 °C (68 °F):</b> | 7 hPa (5 mm Hg)                     |
| <b>Density: (~) at 20 °C (68 °F)</b>    | 1 g/cm <sup>3</sup> (8.345 lbs/gal) |
| <b>Relative density</b>                 | Not determined.                     |
| <b>Vapour density</b>                   | Not determined.                     |
| <b>Evaporation rate</b>                 | Not determined.                     |

**Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

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

**Viscosity:**

**Dynamic:** Not determined.

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|                          |  |
|--------------------------|--|
| <b>Kinematic:</b>        | Not determined.                            |
| <b>Molecular weight</b>  | Not applicable.                            |
| <b>Other information</b> | No further relevant information available. |

**10 Stability and reactivity****Thermal decomposition:** No decomposition if used according to specifications.**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****Acute toxicity:****LD/LC50 values relevant for classification:****100-41-4 Ethylbenzene**

|        |      |                      |
|--------|------|----------------------|
| Dermal | LD50 | 3500 mg/kg (rat)     |
|        |      | 17800 mg/kg (rabbit) |

**Primary irritant effect:****on the skin:** Causes skin irritation.**on the eye:** Irritating to eyes.**Additional toxicological information:**

Over exposure by inhalation or ingestion may be fatal. Chemicals contained in this product can affect the skin, heart, brain, liver, kidneys, lungs and spleen. 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**

|           |              |    |
|-----------|--------------|----|
| 95-47-6   | Xylene (o)   | 3  |
| 8052-42-4 | Asphalt      | 2B |
| 100-41-4  | Ethylbenzene | 2B |

**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.

**12 Ecological information****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.

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**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Additional ecological information:****General notes:**

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

**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.

**14 Transport information****UN-Number**

DOT, ADR, IMDG, IATA UN3295

**UN proper shipping name**

DOT, ADR, IMDG, IATA Hydrocarbons, liquid, n.o.s. (Xylene, Stoddard Solvent)

**Transport hazard class(es)****DOT****Class** 3 Flammable liquids**Label** 3**ADR, IMDG, IATA****Class** 3 Flammable liquids**Label** 3**Packing group**

DOT, ADR, IMDG, IATA III

**Environmental hazards:****Marine pollutant:** No**Special precautions for user** Warning: Flammable liquids

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**Danger code (Kemler):** 30  
**EMS Number:** F-E,S-D

**Transport/Additional information:****ADR**

**Excepted quantities (EQ)** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

**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":** UN3295, Hydrocarbons, liquid, n.o.s., 3, III

**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):**

|         |            |       |
|---------|------------|-------|
| 95-47-6 | Xylene (o) | 14.5% |
|---------|------------|-------|

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

|                          |     |
|--------------------------|-----|
| Health Immediate (acute) | Yes |
| Health Delayed (chronic) | No  |
| Flammable                | Yes |
| Reactive                 | No  |
| 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**

|          |                    |
|----------|--------------------|
| 616-38-6 | dimethyl carbonate |
|----------|--------------------|

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

Ethylbenzene

**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)**

|         |            |   |
|---------|------------|---|
| 95-47-6 | Xylene (o) | I |
|---------|------------|---|

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|          |              |   |
|----------|--------------|---|
| 100-41-4 | Ethylbenzene | D |
|----------|--------------|---|

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

|            |    |
|------------|----|
| Xylene (o) | A4 |
|------------|----|

|         |    |
|---------|----|
| Asphalt | A4 |
|---------|----|

|   |  |
|---|--|
| <b>NIOSH-Cancer (National Institute for Occupational Safety and Health)</b> |  |
|---|--|

|           |         |
|-----------|---------|
| 8052-42-4 | Asphalt |
|-----------|---------|

**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."

**Date of preparation / last revision** 04/09/2015 / -

**The first date of preparation** 03/04/2015

**Number of revision times and the latest revision date** 1.0 / 04/09/2015

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