

**BOSSIL TECHNOLOGY SDN. BHD****Safety Data Sheet****BS-2800  
LM PU Sealant**

Issued date: 27/03/09

Revision date: 22/12/16

Revision No.: 3

**1. Identification of the substance/preparation and of the company/undertaking****Product name:** BS-2800 LM PU Sealant**Use:** Polyurethane Sealant**Company:** Bossil Technology Sdn. Bhd.  
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The Trillium @ Lake Fields,  
Sg. Besi, 57000 Kuala Lumpur,  
Malaysia.**Telephone:** +6016-2119190  
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**Website:** www.bossil.com**2. Composition/information on ingredients**

Chemical Name	CAS No.	EINECS	% (w/w)	Symbols & Health Risk Phrases
Xylene (mixture of isomers)	1330-20-7	215-535-7	2 - 5	Xn R10, R20/21, R38
Calcium Oxide	1305-78-8	215-138-9	<2	Xi R41
Ethylbenzene	100-41-4	202-849-4	<1.5	Xn, F R11, R20
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	<2.5	Xn R65, R66

Further information:

This sheet only contains safety relevant data. For specific data, see Technical Data Sheet.

**3. Hazards identification****Xi** Irritant

- **Signal words:** Warning.
- **Hazard description:** Contains isocyanates. This product is not classified as dangerous to 1999/45/CE Directive.
- **Safety description:** Keep out of the reach of children.

**4. First-aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **The following symptoms may occur:** Drowsiness, headache, dizziness, nausea.

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**5. Fire-fighting measures**

- **Suitable extinguishing media:** Carbon dioxide, foam, fire extinguishing powder.
- **Unsuitable extinguishing media:** Water with full jet.
- **Special firefighting procedures:** Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
- **Hazardous combustion products:** Carbon monoxide (CO), Nitrogen oxides (NOx). Traces of other toxic gases such as Hydrogen Cyanide (HCN) and Isocyanates.

**6. Accidental release measure**

- **Personal precautions:** Ensure adequate ventilation. Keep away from ignition sources.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods for cleaning up:** Pick up mechanically. Send for recovery or disposal in suitable receptacles. Do not close them (reaction with water forming carbon dioxide).

**7. Handling and storage**

- **Handling precautions:** Open and handle receptacle with care. Keep ignition sources away. Do not smoke.
- **Storage conditions:** Store in a cool location. Protect from humidity and water.
- **Unsuitable packaging materials:** None established.

**8. Exposure control/personal protection**

- **Exposure limits**

Ingredients	CAS No.	Exposure Limits
Xylene (mixture of isomers)	1330-20-7	WEL: Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm
Ethylbenzene	100-41-4	WEL: Short-term value: 552 mg/m <sup>3</sup> , 125 ppm Long-term value: 441 mg/m <sup>3</sup> , 100 ppm

- **Engineering controls**
  - **Local ventilation:** Recommended.
  - **General ventilation:** Recommended.
- **Personal protective equipment for routine handling**
  - **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
  - **Suitable respirator:** Filter AB.
  - **Eye:** Not required.
  - **Hand:** PVA gloves of superior quality. 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - **Personal hygiene:** Avoid close or long term contact with the skin. Wash hands before breaks and at the end of work.

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**9. Physical and chemical properties**

- Form: Paste
- Color: Various colors
- Odour: Characteristic
- Boiling Point: Not determined
- Flash Point: 63°C (Closed Cup)
- Solubility in Water: Insoluble
- VOC Content: < 10 g/L (USEPA Method 24), 0.08% w/w (Air Resources Board Method 310)
- Specific gravity: Approx. 1.55 g/mL (White & Grey colour)  
Approx. 1.52 g/mL (Black colour)

**10. Stability and reactivity**

- **Conditions to avoid:** No decomposition if used according to specifications.
- **Materials to avoid:** None
- **Dangerous reactions:** Reacts with alcohols, amines, aqueous acids and alkalis. Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**11. Toxicological information**

- **Possible health effects**
  - **Acute**

Ingredients	CAS No.	Acute Toxicity
Xylene (mixture of isomers)	1330-20-7	LD50 (Oral): 8700 mg/kg (rat) LD50 (Dermal): 2000 mg/kg (rbt) LC50/4 h (Inhalation): 6350 mg/l (rat)
Ethylbenzene	100-41-4	LD50 (Oral): 3500 mg/kg (rat) LD50 (Dermal): 17800 mg/kg (rbt)

- **Primary irritant effect**
  - **Skin:** May be slightly irritating.
  - **Eye:** Light irritating effect.
  - **Sensitization:** No sensitizing effects known.

**12. Ecological information**

- **General notes:** Do not allow product to reach ground water, water course or sewage system.

**13. Disposal considerations**

- **Product disposal:** Dispose of in accordance with local regulations.
- **Packaging disposal:** Dispose of in accordance with local regulations.

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**14. Transport information**

- **Land transport ADR/RID (cross-border):**
  - **ADR/RID class:** -
  - **Remarks:** Not hazardous.
- **Maritime transport (IMDG):**
  - **IMDG class:** -
  - **Marine pollutant:** No
  - **Remarks:** Not hazardous.
- **Air transport (ICAO-TI and IATA-DGR):**
  - **ICAO/IATA class:** -
  - **Proper shipping name:** Not regulated.
  - **Remarks:** Not hazardous.

**15. Regulatory information**

- **Special labelling of certain preparations:** Contain isocyanates.
- **Markings according to EU guidelines:** Observe the general safety regulations when handling chemicals. The substance is not subject to classification according to EU lists and other sources of literature known to us.
- **Risk phrases:**

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
- **Safety phrases:**

S23	Do not breathe vapour.
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**16. Other information**

The details contained herein are based on our present state of knowledge and experiences are characterized our product with regard to any possible safety requirement. We do, however, pass them on without any warranty or property assurances.