

PAVE SEAL SB CLEAR

Version 1

Revision Date 15-Apr-2016 Supersedes Date: No information available

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product Identifier

Product Name PAVE SEAL SB CLEAR

Pure substance/mixture mixture

### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use Adhesives.

Uses Advised Against No information available.

### 1.3. Details of the Supplier of the Safety Data Sheet

**Company Name** 

Bostik (Shanghai) Management Co., Ltd

Building 1, No.968 Guanghua Road, Minhang District

Shanghai, China Tel: 021-60763101 Fax: 021-60763133 **Manufacturer** 

Bostik India Private Ltd 124/1 & 124/2A

Kachanayakanahalli

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Bangalore - 562106, Karnataka,

INDĬA

Tel: 0091-80-27833520 Fax: 00 91-80-27831324

Email: Bostikinfo.India@bostik.com

Please refer to Section 16 for local affiliate addresses.

1.4. Emergency Telephone Number

Emergency Telephone 0532-8388 9090 (China only)

E-mail address SDS.AP@Bostik.com

### Section 2: HAZARD IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

Acute toxicity - Dermal	Category 4 (6.1D)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 (6.1D)
Skin Corrosion/Irritation	Category 2 (6.3A)
Serious Eye Damage/Eye Irritation	Category 2 (6.4)
Specific target organ toxicity (repeated exposure)	Category 2 (6.9B)
Acute aquatic toxicity	Category 2 (9.1D)
Flammable Liquids	Category 2 (3.1B)

Classification in parenthesis is applicable for New Zealand Hazard Classification

ERMA Group No information available

2.2. Label Elements

PAVE SEAL SB CLEAR Version 1

Revision Date 15-Apr-2016
Supersedes Date: No information available



Signal Word

**DANGER** 

#### **Hazard statements**

H312 - Harmful in contact with skin

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure

H401 - Toxic to aquatic life

H225 - Highly flammable liquid and vapor

### **Precautionary Statements - Prevention**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P271 - Use only outdoors or in a well-ventilated area

P264 - Wash face, hands and any exposed skin thoroughly after handling

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

### **Precautionary Statements - Response**

P321 - Specific treatment (see supplemental first aid instructions on this label)

### Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

#### Skin

P312 - Call a POISON CENTER or doctor if you feel unwell

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P363 - Wash contaminated clothing before reuse

#### Eves

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

### Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

### **Precautionary Statements - Storage**

P403 + P235 - Store in a well-ventilated place. Keep cool

### **Precautionary Statements - Disposal**

P501 - Dispose of contents/ container to an approved waste disposal plant

### 2.3. Other Hazards

- · May be fatal if swallowed and enters airways
- · May be harmful if swallowed
- · May cause respiratory irritation

PAVE SEAL SB CLEAR

Version 1

Revision Date 15-Apr-2016

Supersedes Date: No information available

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### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

This product is a mixture. Health hazard information is based on its components.

#### 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Xylenes (o-, m-, p- isomers)	1330-20-7	60 - 70
Ethylbenzene	100-41-4	10 - 20

<sup>\*\*\*</sup> Any remaining ingredients are not hazardous

### Section 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**General Advice** If medical advice is needed, have product container or label at hand.

**Inhalation** Remove to fresh air.

Skin Contact Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/

attention.

Eye contact In case of contact with eyes, rinse immediately with plenty of water and seek medical

advice. Remove contact lenses, if present and easy to do. Continue rinsing. Call a

physician immediately.

**Ingestion** If swallowed, do not induce vomiting: seek medical advice immediately and show this

container or label.

entry to unnecessary and unprotected personnel.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to physicians** Treat symptomatically.

4.4. Reference to Other Sections

Reference to Other Sections See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND

STORAGE. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

## Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media Use CO2, dry chemical, or foam.

Unsuitable Extinguishing Media No information available.

5.2. Special Hazards Arising from the Substance or Mixture

Specific Hazards Arising from the Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

. Chemical

5.3. Advice for Firefighters

**Special Protective Equipment for** Wear self contained breathing apparatus for fire fighting if necessary. **Fire-fighters** 

PAVE SEAL SB CLEAR

Revision Date 15-Apr-2016

Version 1

Supersedes Date: No information available

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## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate

ventilation, especially in confined areas.

entry to unnecessary and unprotected personnel.

6.2. Environmental Precautions

**Environmental Precautions**Do not empty into drains, dispose of this material and its container at hazardous or

special waste collection point.

6.3. Methods and Material for Containment and Cleaning up

Methods for Containment Dike far ahead of spill; use dry sand to contain the flow of material. Contain and collect

spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations

(see Section 13).

Methods for Cleaning up Pick up and transfer to properly labeled containers. Dam up. Soak up with inert

absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up

with inert absorbent material.

6.4. Reference to other sections

Reference to Other Sections See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND

STORAGE. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

### Section 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

Advice on Safe Handling Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take

precautionary measures against static charges. Use explosion-proof

electrical/ventilating/lighting/equipment.

7.2. Conditions for Safe Storage, including any Incompatibilities

General Hygiene Considerations Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work

area and clothing is recommended.

Storage Conditions Keep only in the original container/package in a cool well-ventilated place.

Incompatible Materials Strong acids and bases

7.3. Specific End Use(s)

Other Information No information available.

7.4. References to Other Sections

Reference to Other Sections See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND

STORAGE. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

**Exposure Limits** 

PAVE SEAL SB CLEAR

Version 1

Revision Date 15-Apr-2016

Supersedes Date: No information available

Chemical Name	Australia	China	Japan	Korea	New Zealand
Xylenes (o-, m-, p- isomers)	80 ppm	TWA: 50 mg/m <sup>3</sup>	TWA: 50 ppm	STEL: 150 ppm	TWA: 50 ppm
1330-20-7	350 mg/m <sup>3</sup>	STEL: 100 mg/m <sup>3</sup>	TWA: 217 mg/m <sup>3</sup>	STEL: 655 mg/m <sup>3</sup>	TWA: 217 mg/m <sup>3</sup>
	150 ppm STEL		ISHL/ACL: 50 ppm	TWA: 100 ppm	
	655 mg/m <sup>3</sup> STEL			TWA: 435 mg/m <sup>3</sup>	
Ethylbenzene	100 ppm	TWA: 100 mg/m <sup>3</sup>	TWA: 50 ppm	STEL: 125 ppm	TWA: 100 ppm
100-41-4	434 mg/m <sup>3</sup>	STEL: 150 mg/m <sup>3</sup>	TWA: 217 mg/m <sup>3</sup>	STEL: 545 mg/m <sup>3</sup>	TWA: 434 mg/m <sup>3</sup>
	125 ppm STEL		ISHL/ACL: 20 ppm	TWA: 100 ppm	STEL: 125 ppm
	543 mg/m <sup>3</sup> STEL			TWA: 435 mg/m <sup>3</sup>	STEL: 543 mg/m <sup>3</sup>

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration No information available

(PNEC)

Other Information No information available

8.2. Exposure Controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment (PPE)

**Respiratory Protection** 

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear suitable protective clothing. No special technical protective measures are

necessary under normal conditions.

Hand Protection Wear suitable chemical resistant gloves. The selection of suitable gloves does not only

depend on the material, but also on further marks of quality and various manufacturers. No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask,

CC (closed cup)

or for short periods of work, a combination of professional filter is recommended.

**General Hygiene**Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and

wash before reuse.

**Environmental Exposure Controls** Do not allow into any sewer, on the ground or into any body of water.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Appearance Viscous Liquid
Color Colorless
Odor Solvent

Odor Threshold No information available

Property Values Remarks • Method

pH No information available
Melting Point/Freezing Point No information available
Boiling Point 136 °C / 276.8 °F
Flash Point 17 °C / 62.6 °F

Evaporation Rate No information available Flammability (solid, gas) No information available

Flammability Limit in Air

Upper Flammability Limit
Lower Flammability Limit
Vapor Pressure
Vapor Density
Specific Gravity
Water Solubility
Solubility in Other Solvents
No information available

Solubility in Other Solvents
Partition Coefficient
Autoignition Temperature
Decomposition Temperature
Kinematic Viscosity
No information available
No information available
No information available
No information available

**PAVE SEAL SB CLEAR** Revision Date 15-Apr-2016 Version 1

Supersedes Date: No information available

**Dynamic Viscosity** No information available **Explosive Properties** No information available **Oxidizing Properties** No information available

9.2. Other Information

**Softening Point** No information available **Molecular Weight** No information available **Solvent Content (%)** No information available Solid Content (%) No information available **Density** No information available **Bulk Density** No information available

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## Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage conditions. Reactivity

10.2. Chemical Stability

Stability Stable under recommended storage conditions

10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

**Hazardous Polymerization** None under normal processing.

10.4. Conditions to Avoid

**Conditions to Avoid** Keep away from heat, sparks and flames.

10.5. Incompatible Materials

**Incompatible Materials** Strong acids and bases.

10.6. Hazardous Decomposition Products

**Hazardous Decomposition** 

None under normal use conditions.

**Products** 

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on Toxicological Effects

**Acute Toxicity** 

**Product Information** Product does not present an acute toxicity hazard based on known or supplied

information.

Inhalation No Data Available. Eye contact No Data Available. Skin Contact No Data Available. No Data Available. Ingestion

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	
Xylenes (o-, m-, p- isomers) 1330-20-7	= 3500 mg/kg (Rat)	> 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit)	= >47635 mg/L (Rat) 4 h = >5000 ppm (Rat) 4 h	
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg(Rabbit)	= 1432 mg/L (Rat) 4 h	

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Skin Corrosion/Irritation No information available.

PAVE SEAL SB CLEAR

Revision Date 15-Apr-2016

Version 1

Supersedes Date: No information available

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Serious Eye Damage/Eye Irritation No information available. Sensitization No information available. Reproductive Toxicity No information available. STOT - Single Exposure No information available. STOT - Repeated Exposure No information available.

Target Organ Effects Central nervous system, Eyes, Respiratory system, Skin.

Aspiration Hazard No information available. Carcinogenicity No information available.

Chemical Name	IARC	China	Japan
Xylenes (o-, m-, p- isomers)	Group 3	-	-
Ethylbenzene	Group 2B	-	Group 2B

IARC (International Agency for Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in

Research on Cancer) Humans

### Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

### **Ecotoxicity**

### **Product Information**

Toxic to aquatic life.

### Component Information

Data obtained on the component(s) include

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Xylenes (o-, m-, p- isomers) 1330-20-7	-	LC50 96 h 30.26 - 40.75 mg/L (Poecilia reticulata static) LC50 96 h = 780 mg/L (Cyprinus carpio semi-static) LC50 96 h 2.661 - 4.093 mg/L (Oncorhynchus mykiss static) LC50 96 h = 13.4 mg/L (Pimephales promelas flow-through) LC50 96 h > 780 mg/L (Cyprinus carpio ) LC50 96 h 23.53 - 29.97 mg/L (Pimephales promelas static) LC50 96 h = 19 mg/L (Lepomis macrochirus ) LC50 96 h 7.711 - 9.591 mg/L (Lepomis macrochirus static) LC50 96 h 13.1 - 16.5 mg/L (Lepomis macrochirus flow-through)	
Ethylbenzene 100-41-4	EC50 96 h > 438 mg/L (Pseudokirchneriella subcapitata) EC50 96 h 1.7 - 7.6 mg/L (Pseudokirchneriella subcapitata) EC50 72 h = 4.6 mg/L (Pseudokirchneriella subcapitata) EC50 72 h 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h = 32 mg/L (Lepomis macrochirus static) LC50 96 h 11.0 - 18.0 mg/L (Oncorhynchus mykiss static) LC50 96 h 7.55 - 11 mg/L (Pimephales promelas flow-through) LC50 96 h = 4.2 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h 9.1 - 15.6 mg/L (Pimephales promelas static) LC50 96 h = 9.6 mg/L (Poecilia reticulata static)	

### 12.2. Persistence and Degradability

No information available.

### 12.3. Bioaccumulative Potential

No information available.

### 12.4. Mobility in Soil

**PAVE SEAL SB CLEAR** 

Version 1 Supersedes Date: No information available

No information available.

### 12.5. Results of PBT and vPvB Assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

#### 12.6. Other Adverse Effects

No information available.

### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste Treatment Methods

Waste from Residues/Unused

Disposal should be in accordance with applicable regional, national and local laws and

Revision Date 15-Apr-2016

regulations.

**Contaminated Packaging** 

Improper disposal or reuse of this container may be dangerous and illegal.

### Section 14: TRANSPORT INFORMATION

**IMDG** 

**Products** 

UN/ID No UN1307
Proper Shipping Name Xylenes
Hazard Class 3
Packing Group II

EmS-No F-E, S-D

Limited Quantity (LQ) 1 L

**Description** UN1307, Xylenes, 3, II, (17°C c.c.)

**IATA** 

UN/ID No
Proper Shipping Name
Hazard Class
Packing Group
ERG Code
Limited Quantity (LQ)
UN1307
Xylenes
3
II
ERG Code
3L

**Description** UN1307, Xylenes, 3, II

ADR

UN/ID No
Proper Shipping Name
Hazard Class
Hazard Labels
Packing Group
UN1307
Xylenes
3
II

**Description** UN1307, Xylenes, 3, II

Limited Quantity (LQ) 1 L
Classification Code F1
Tunnel Restriction Code D/E

## Section 15: REGULATORY INFORMATION

## National Regulations

#### <u>China</u>

This product contains the following substance(s)

Chemical Name	Weight-%	China - Catalog of Hazardous Chemicals - Hazardous Chemicals	
Xylenes (o-, m-, p- isomers) 1330-20-7	60 - 70	X	

## **PAVE SEAL SB CLEAR**

Version 1

Revision Date 15-Apr-2016 Supersedes Date: No information available

Ethylbenzene	10 - 20	X
100-41-4		

### Japan

This product contains the following Class 1 and Class 2 Designated Chemical Substances per Japan PRTR Law.

Chemical Name	Weight-%	Japan - Pollutant Release Transfer Register (PRTR) - Class 1 Substances
Xylenes (o-, m-, p- isomers) 1330-20-7	60 - 70	X
Ethylbenzene 100-41-4	10 - 20	X

### **Korea**

#### K-REACH/chemical control act(CCA)

This product contains the following substance(s)

Chemical Name	Weight-%	Korea - MOE - K-REACH/CCA - Toxic Substances	Korea - MOE - K-REACH/CCA - Prohibited Substances	Korea - MOE - K-REACH/CCA - Restricted Substances	Korea - MOE - Chemicals Control Act (CCA) - Accident Precaution Chemicals	Korea - MOE - K-REACH - Existing Substances Subject to Registration
Xylenes (o-, m-, p- isomers) 1330-20-7	60 - 70	0				0

### International Regulations

### Europe

### Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

### EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### Section 16: OTHER INFORMATION

### **Local Contacts**

Bostik Korea, Ltd. Gukhoe-daero 62-gil Yeongdeungpo-gu Seoul, 07236

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INDIA

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**PAVE SEAL SB CLEAR** 

Version 1 Supersedes Date: No information available

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Bostik Phillippines, Inc. 35/F Raffles Corporate Center,

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Revision Date 15-Apr-2016

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Guangzhou, China 511356 Tel: 020-8297 5266 Fax: 020-8297 5277

### Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

### **Key Literature References and Sources for Data**

No information available

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Revision Date 15-Apr-2016

Revision Note Not applicable.

**Training Advice** Provide adequate information, instruction, and training for operator

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**