



# Safety Data Sheet

Section 1 - Chemical Product / Company Information			
<b>Product Name:</b>	PROTECTOMASTIC RPL COATING PART B R27CE3	<b>Issued On :</b> <b>Revision #:</b>	31/10/2011 00
<b>SDS ref:</b> MKT(P)008/31			
<b>Product use/class:</b> FOR INDUSTRIAL USE ONLY			
<b>Manufacturer:</b> BERGER PAINTS INDIA LIMITED			
<b>Corporate Office</b> BERGER HOUSE 129, Park Street Kolkata-700017 Phone-91-33-22299725 (5 lines) Fax-91-33-2249729/90 E-mail: protecton@bergerindia.co		<b>Research &amp; Development</b> PROTECTON DEPARTMENT 14 & 15 Swarnamoyee Road Shibpur Howrah- 711 103 Phone: 91-33-26684706 (4 lines) Fax: 91-33-26682956	
Section 2 - Composition / Information On Ingredients			
Name	CAS No.	Approx Wt %	
XYLENE	1330-20-7	9-10	
BUTANOL	71-36-3	3-4	
BUTYL CELLOSOLVE	111-76-2	1-2	
Section 3 - Hazards Identification			
<b>Emergency Overview:</b> Use ventilation necessary to keep exposures below recommended exposure limits, if any. Irritating to eyes, respiratory system and skin.			
<b>Effects Of Overexposure - Eye Contact:</b> Can cause eye burns.			
<b>Effects Of Overexposure - Skin Contact:</b> Direct skin contact may cause irritation			
<b>Effects Of Overexposure - Inhalation:</b> Use in inadequately ventilated areas may result in irritation headache and nausea. Harmful if inhaled and may cause delayed lung injury. May cause nose, throat and lung irritation. Inhalation of vapors and/or aerosols in high concentration may cause irritation of the respiratory system.			
<b>Effects Of Overexposure - Ingestion:</b> May be harmful if swallowed			
<b>Effects Of Overexposure - Chronic Hazards:</b> There is no known health effects associated with chronic exposure to this product. Under normal use conditions, this product is not expected to cause adverse health effects			
<b>Primary Route(s) Of Entry:</b> Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact			
<b>Medical Conditions Prone to Aggravation by Exposure:</b> If sensitized to amines, epoxies, or other chemicals do not use. See a physician if a medical condition exists.			



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### Section 4 - First Aid Measures

**First Aid - Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

**First Aid - Skin Contact:** In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Launder clothing before reuse. If rash or irritation develops, consult a physician.

**First Aid - Inhalation:** If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

**First Aid - Ingestion:** If swallowed do not induce vomiting. Seek immediate medical attention.

### Section 5 - Fire Fighting Measures

**Flash Point, :** Above 24°C

**Lower Explosive Limit, %:** N/A

**Upper Explosive Limit, %:** N/A

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

**Unusual Fire And Explosion Hazards:** May generate ammonia gas. May generate toxic nitrogen oxide gases. Incomplete combustion may form carbon monoxide.

**Special Firefighting Procedures:** Non-flammable. Cool fire-exposed containers using water spray. Wear self contained breathing apparatus for firefighting if necessary.

### Section 6 - Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** If a spill or leak occurs, contain the material. It can be allowed to dry or cure and presents no health or fire hazard. The material can then be removed and disposed of as non-hazardous waste. Before drying, the material can be washed or removed using soap and water. Soak up with inert absorbent material and dispose of as hazardous waste. Evacuate personnel to safe areas. Use personal protective equipment.

### Section 7 - Handling And Storage

**Handling:** Do not get in eyes, on skin, or on clothing. Keep container tightly closed when not in use. Wear personal protection equipment. Do not breathe vapors. Wash thoroughly after handling. Use only in accordance with Berger application instructions, container label and Product Data Sheet.

**Storage:** Do not freeze. Keep containers tightly closed in a dry, cool and well-ventilated place.



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### Section 8 - Exposure Controls / Personal Protection

#### Exposure Limits:

Name	CAS No	Permissible Exposure Limit
XYLENE	1330-20-7	TLV-TWA(ACGIH) : 434 mgm/ M <sup>3</sup> STEL(ACGIH) : 651 mgm/ M <sup>3</sup> LD 50 (ORAL-RAT) : 4300 mgm/Kg LC 50 (IHL-RAT) : 5000 PPM/4 HRS
BUTANOL	71-36-3	TLV-TWA(ACGIH) : 434 mgm/ M <sup>3</sup> STEL(ACGIH) : 651 mgm/ M <sup>3</sup> LD 50 (ORAL-RAT) : 4300 mgm/Kg LC 50 (IHL-RAT) : 5000 PPM/4 HRS
BUTYL CELLOSOLVE	111-76-2	TWA(ACGIH) : 20 ppm , PEL (OSHA) ;250 mgm/ M <sup>3</sup> SKIN , LD50 ( ORAL-RAT ) : 1,746 MG/KG LD50(IHL 7HR-RAT) : 700 PPM

**Engineering Controls:** Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Respiratory Protection:** Use only with ventilation to keep levels below exposure guidelines reported in this document. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or Nationally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposures limits are established above, air supplied respirators are generally not required.

**Skin Protection:** Recommend impervious gloves and clothing to avoid skin contact. If material penetrates to skin, change gloves and clothing. The use of protective creams may be beneficial to certain individuals. Protective creams should be applied before exposure.

**Eye Protection:** Safety glasses with side-shields

**Other protective equipment:** Eye wash and safety showers should be readily available.

**Hygienic Practices:** Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Use of a hand cleaner is recommended. Launder contaminated clothing before reuse. Leather shoes can absorb and allow hazardous materials to pass through. Check shoes carefully after soaking before reuse.

### Section 9 - Physical And Chemical Properties

<b>Physical State:</b>	Liquid	<b>Vapor Density:</b>	Heavier than Air
<b>Odour:</b>	Characteristic smell of solvent	<b>Odor Threshold:</b>	N/D
<b>Appearance:</b>	Smooth and uniform	<b>Evaporation Rate:</b>	N/D
<b>Solubility in H2O:</b>	Insoluble	<b>Specific Gravity:</b>	1.46+/- 0.03
<b>Freeze Point:</b>	N/D	<b>PH:</b>	N/D
<b>Vapor Pressure:</b>	N/D	<b>Solvent wt % :</b>	14.00+/- 2.00
<b>Boiling Range:</b>	100°C-180°C	<b>Color:</b>	Amber



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### Section 10 - Stability And Reactivity

**Conditions To Avoid:** Heat, flames and sparks.

**Incompatibility:** Keep away from strong oxidizing agents, heat and open flames.

**Hazardous Decomposition Products:** Nitric acid, Ammonia, Nitrogen Oxides, Carbon Monoxide, Carbon Dioxide,

**Hazardous Polymerization:** Will not occur under normal conditions.

**Stability:** Stable under normal conditions. This product is stable under normal storage conditions.

### Section 11 - Toxicological Information

Name	CAS No.	Approx. Wt. %	Risk Factors
XYLENE	1330-20-7	9-10	Harmful in contact with skin, Harmful if swallowed, Irritating to skin
BUTANOL	71-36-3	3-4	Harmful in contact with skin, Harmful if swallowed, Irritating to skin
BUTYL CELLOSOLVE	111-76-2	1-2	Harmful in contact with skin, Harmful if swallowed, Irritating to skin

### Section 12 - Ecological Information

**Ecological Information:** No data

### Section 13 - Disposal Information

**Disposal Information:** Dispose of in accordance with State, Local, and National Environmental regulations. Responsibility for proper waste disposal is with the owner of the waste.

### Section 14 - Transportation Information

DOT Proper Shipping Name:	PAINT	Packing Group	III
DOT Technical Name:	N/A	Hazard Subclass:	N/A
DOT Hazard Class:	3	Resp. Guide Page:	None
DOT UN/NA Number:	1263	Additional Notes:	None

### Section 15 - Regulatory Information

NEPA HEATH HAZARDS SIGNAL		
HEALTH :1	FLAMMABILITY :4	REACTIVITY :0

### Section 16 – Other Information

**Legend:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable state, and local laws and regulations.