



SAFETY DATA SHEET R 816 CE PART A

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	R 816 CE PART A
SUPPLIER	ARDEX ENDURA (INDIA) PRIVATE LIMITED Corporate Office & Regd. Office: Unit No. 406 & 407, "Brigade Rubix", No. 20, Yeshwanthapur Hobli, HMT Campus, Bangalore - 560022. Karnataka, INDIA. CIN No: U24233KA1997PTC022383 Tel: +91 80 66746500 Email: customercare@ardexendura.com Visit us : www.ardexendura.com
PRODUCT USE	Coal Tar Epoxy
DATE	02/02/2022

2. HAZARDS IDENTIFICATION

It is very unlikely that normal work operations with epoxy system could produce concentrations that are harmful to human.

Label elements



Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause cancer.
Causes damage to organs through prolonged or repeated Exposure (lungs).

Primary Route(s) of Entry Inhalation Yes
 Skin Yes
 Ingestion Yes

Medical Conditions

Aggravated by Exposure Persons with pre-existing skin, liver or kidney disorders may be at increased risk from over exposure to this material. This is not likely to be a problem when appropriate procedures are used to minimize exposure

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration	Exposure Limits	
			OSHA PEL	ACGIH TLV
Coal Tar Pitch	65996-89-6	20-35	50 ppm	
Polyamide Resin	68410231	4-18	Not established	
Xylene	1330-20-7	9-16	100 ppm	
Clay	71011-27-3	0.5-1.5	0.1 mg/m ³	
Magnesium Silicate	14807-96-6	30-55	2 mg/m ³	

4. FIRST-AID MEASURES

Skin Contact

Wash exposed area twice with waterless hand cleaner, soap and water or a mild detergent. DO NOT use solvents on skin, as they may promote absorption of this material. The exposed area should be examined by medical personnel if irritation or pain persists after washing.

Eye Contact

Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. GET MEDICAL ATTENTION.

R 816 CE PART A**Inhalation**

Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. GET MEDICAL ATTENTION.

Ingestion

DO NOT induce vomiting due to the solvent content of this product. Give oxygen if respiration is shallow. GET MEDICAL ATTENTION.

Note to Physician

Product is irritating to skin, eyes and respiratory tract. Treatment should be based on the judgment of the physician in response to the reactions of the patient.

5. FIRE-FIGHTING MEASURES

Flash Point: >70°C	Method: Abel's Closed Cup	Auto ignition Temperature: Approx. 500°C
Flammable Limits:	UFL: 7%	LFL: 1%
Flammability Classification (OSHA) :	Flammable Liquid	
Hazardous Products of Combustion:	Irritating and/or toxic fumes may be released if this material is burned.	
Potential for Dust Explosion:	Not applicable	
Special Flammability Hazards:	At elevated temperatures (>54°C), solvent volatilization and decomposition may occur which might present a fire or explosion hazard.	
Appropriate Extinguishing media:	Water fog, foam, carbon dioxide, dry chemical	
Basic Fire Fighting Guidance	Firefighters should wear self-contained breathing apparatus and full protective equipment. Normal firefighting procedures may be used. Skin contact and/or breathing of vapours should be avoided.	

6. ACCIDENTAL RELEASE MEASURES**Containment Techniques:**

For small spills, use suitable absorbent material and collect for later disposal. For large spills, the area may require diking to contain the spill.

Clean-up Procedures & equipment:

Wear protective equipment during clean up. Remove all ignition sources. Ventilate area of spill or leak. Collect material for later disposal. After collection of material, flush area with water.

Evacuation Procedure

Isolate the hazard and deny entry to unnecessary and unprotected personnel.

Special instructions

Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

Special Reporting Requirements

Notify appropriate authorities if required by regulation.

7. HANDLING AND STORAGE**Storage Precautions**

Protect containers from physical damage. Outside or isolated storage is preferable. Inside storage should be in a flammable liquids storage room or cabinet. This material is flammable.

Storage Recommendations

Maintain dry, ventilated conditions for storage. Ensure that ambient temperature of storage areas does not exceed 54 °C to prevent volatilization of solvents.

Practices to Minimize Risk

Wear protective equipment when performing maintenance on contaminated equipment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal Protective Equipment**

Use NIOSH/ISI-approved air purifying respirator with organic vapour cartridges or a continuous flow positive pressure air-supplied respirator as necessary for protection against organic solvent vapour. Use chemical goggles, face shields, boots and impervious clothing and gloves where necessary to prevent exposures. Contact lenses should not be worn when handling this material. Do not smoke or eat in areas where this material is handled. Wash hands thoroughly before eating or smoking.

Respirator Caution

Observe OSHA regulations for respirator use (29 CFR 1910.134). Airpurifying respirators must not be used in oxygen-deficient atmospheres.

R 816 CE PART A**Ventilation**

All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided.

Other Engineering Controls

All available engineering controls to minimize risk should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	Mixture
Appearance, State & Odour (ambient temp.)	Black liquid with aromatic odour
Vapour Pressure	50 mbar @ 25° C
Boiling Point:	Approx. 140° C
Solubility in Water:	Insoluble
Specific Gravity:	1.7±0.05 @ 30° C

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable

Conditions to Avoid

Avoid exposures to temperatures >54 °C

hazardous Polymerization

Will not take place

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀:	3523 to 8600 mg/kg	Species:	Rat		
Acute Dermal LD₅₀:	>43000 mg/kg.	Species:	Rabbit		
Acute Inhalation LC₅₀:	6350-6670 ppm	Duration:	4 hr.	Species:	Rat
Skin/Eye Irritation:	Mild to moderate skin/eye irritant				
Additional Toxicity Information:	Note: LD ₅₀ /LC ₅₀ values reported above are for mixed xylenes, which make up the predominant proportion of this mixture				

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

No data is available for this particular mixture.

For the specific components: Xylene: LC50 (goldfish) = 13-17 mg/L/96H; LC50 (fathead minnow) = 42 mg/L/24 to 96H; LD50 (rainbow trout) = 13.5 mg/L/96H

Chlorinated paraffins: Mussels, days, 1.33 mg/L, no mortality, bioconcentration factor of 105-167 based on parent compound; rainbow trout, >60 days, NOEL, 4.2 mg/L, bioconcentration factor of 1.0-42.8 times on total material.

No data is available for the remaining constituents of this mixture.

Environmental Fate:

No data is available for this particular mixture.

For the specific components

Xylene in environmental media is subject to rapid evaporation. Hydrolysis is not significant in water under normal environmental conditions. Xylene is not expected to bioconcentrate, and is shown to readily degrade in standard biodegradation tests.

No data is available for the remaining constituents of this mixture.

13. DISPOSAL CONSIDERATIONS

US EPA Waste Number: D001

Classification of Waste as manufactured: Hazardous.

Note: Generator is responsible for proper waste characterization.

Waste Disposal:

Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable regulations. Note that disposal regulations may also apply to empty containers and related equipments.

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14. TRANSPORT INFORMATION

DOT 1 IATA/ IMDG Proper Shipping Name
Paint/ Related Material, 3, UN 1263
Where container exceeds 142 lbs., add "RQ (contains xylene)"

Packing Group 3

Emergency Guidebook Numbers: **NAERG:** 128 **EMS:** 3-05 **MFAG:** 310, 313

15. REGULATORY INFORMATION

OSHA Hazards:	Possible Carcinogen. Irritant. Flammable Liquid		
SARA 313:	CAS Number	Chemical Name	% by weight
	1330-20-7	Mixed Xylene	6
Other Regulatory Listings:	Flammable Liquid, Possible Carcinogen, Irritant		
Special Shipping Information:	Flammable Liquid: Red Level UN 1263		

16. OTHER INFORMATION

Precautionary Statement: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data as a supplement to other information gathered by and make independent judgments of suitability of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

DISCLAIMER

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.