



MCHB 100

Two-component, heavy-duty, coal tar-based epoxy coating for steel and concrete

MSDS

Material Safety Data Sheet



1. Identification of the Substance/Preparation and Company

Product Name: MCHB 100

Use: Protective coating for steel and concrete surfaces

Manufacturer/Supplier: **Carbolink India Private Limited**

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2. Hazards Identification

Hazard Classification: Flammable, Irritant

Signal Word: Warning

Hazard Statements: Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Precautionary Statements: Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Wear protective gloves, protective clothing eye protection, and face protection. Use only outdoors or in a well-ventilated area.

3. Composition/Information on Ingredients

Component A: Epoxy Resin

Component B: Hardener

Coal Tar: Contains benzo[a]pyrene, anthracene, and phenanthrene

Solvents: Aromatic hydrocarbons, alcohols

4. First Aid Measures

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and plenty of water. Remove contaminated clothing and shoes. Seek medical attention if irritation develops or persists.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention immediately.

5. Firefighting Measures

Suitable Extinguishing Media: Foam, carbon dioxide, dry chemicals

Unsuitable Extinguishing Media: Water jet

Specific Hazards: **Flammable.** May produce toxic fumes under fire conditions.

Protective Equipment: Wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personal Precautions: Wear protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

Environmental Precautions: Prevent entry into waterways, sewers, basements, or confined areas.

Methods for Cleaning Up: Absorb with inert material and dispose of according to local regulations.

7. Handling and Storage

Handling: Avoid contact with skin, eyes, and clothing. Use with adequate ventilation. Keep away from sources of ignition.

Storage: Store in a cool, dry place. Keep containers tightly closed in a well-ventilated place.

8. Exposure Controls/Personal Protection

Engineering Controls: Ensure adequate ventilation.

Personal Protective Equipment:

Respiratory Protection: Use a NIOSH/MSHA approved respirator.

Hand Protection: Wear protective gloves.

Eye Protection: Wear safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

9. Physical and Chemical Properties

Appearance	Black liquid
Odor	Characteristic
PH	Not applicable
Melting Point/Freezing Point:	Not determined
Initial Boiling Point and Boiling Range:	Not determined
Flash Point:	>30°C
Evaporation Rate	: Not determined
Flammability:	Flammable
Upper/Lower Flammability or Explosive Limits:	Not determined
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Relative Density:	1.30 ±0.05 g/cc
Solubility:	Insoluble in water
Partition Coefficient:	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined

10. Stability and Reactivity

Reactivity: No data available

Chemical Stability: Stable under recommended storage conditions

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: Heat, flames, and sparks

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon oxides, sulfur oxides

11. Toxicological Information

Acute Toxicity: No data available

Skin Corrosion/Irritation: Causes skin irritation

Serious Eye Damage/Irritation: Causes serious eye irritation

Respiratory or Skin Sensitization: No data available

Germ Cell Mutagenicity: No data available

Carcinogenicity: Contains coal tar, which is a known carcinogen

Reproductive Toxicity: No data available

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation

Specific Target Organ Toxicity (Repeated Exposure): No data available

Aspiration Hazard: No data available

12. Ecological Information

Ecotoxicity: No data available

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

13. Disposal Considerations

Waste Treatment Methods: Dispose of in accordance with local, state, and federal regulations.

14. Transport Information

UN Number: 1993

UN Proper Shipping Name: Flammable Liquid, N.O.S. (Contains Epoxy Resin, Coal Tar)

Transport Hazard Class: 3

Packing Group: III

Environmental Hazards: Not applicable

Special Precautions for User: Not applicable

15. Regulatory Information

Safety, Health, and Environmental Regulations: Comply with local regulations

16. Other Information

Prepared by: Carbolink India Private Limited

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