

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product description: Water Base Microlayer Corrosion Protection ChromeVI free Coating.

Trade name: ECOMET® 500 PART A

Product code: 500

Manufactured in India by: EFFCO FINISHES AND TECHNOLOGIES PVT.LTD.

Address: Plot No.12, S.No.253/2/2, Thirumala Industrial Estate, Hinjewadi, Tal-Mulshi, Pune-411057 MH, India

Telephone No.: +91 9850784185 / +91 9967060596

E-mail: warat@effcoindia.com / kunal@effcoindia.com

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- A. Product name: **ECOMET 500 PART A**
 - B. General description: Blend of zinc & aluminium solution
 - C. Physical form: Sliver liquid
 - D. Color: Sliver

2. COMPOSITION AND HAZARDOUS COMPONENTS

Ingredients	C.A.S.: No.:	Ingredients	C.A.S.: No.:
Zinc	7440-66-6	Aluminium	7429-90-5
Dipropylene Glycol	110-98-5		

3. EFFECTS OF OVEREXPOSURE

- A. Acute effects eye: N/A
Skin: N/A
Inhalation: N/A
Oral: N/A

 - B. Repeated exposure effects skin: N/A
Inhalation: N/A
Oral: N/A
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4. FIRST AID

MEASURES

- A. Eye: Flush with water
 - B. Skin: Flush with water
 - C. Ingestion: No toxicity, no treatment required
 - D. Inhalation: No toxicity, no treatment required
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5. FIREFIGHTING MEASURES

- A. Flash point (closed cup): N/A
 - B. Autoignition temperature: N/A
 - C. Flammability limits in air: Not determined
 - D. Extinguishing media: Carbon dioxide, water, foam, dry chemical
 - E. Unsuitable extinguishing media: None worn in fighting fires involving chemicals
 - F. Usual fire hazards: None
 - G. Hazardous decomposition products: Fume and gas
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6. ACCIDENTAL RELEASE MEASURES

- A. Personal precaution: Wear dust mask, gloves and goggles
 - B. Environmental precaution: Avoid creating dust
 - C. Method for cleaning up: Sweep up for disposal
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7. HANDLING AND STORAGE

- A. Handling: No special precautions
- B. Storage: No special precautions

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- A. Respiratory protection: Provide adequate ventilation, wear suitable dust mask
 - B. Hand protection: Gloves
 - C. Eye protection: Goggles
 - D. Skin protection: Overalls
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9. PHYSICAL AND CHEMICAL PROPERTIES

- A. Appearance: Sliver Liquid
 - B. Odour: Mild
 - C. pH: 5.5 - 6.5
 - D. Boiling Point: N/A
 - E. Melting Point: N/A
 - F. Flash Point: N/A
 - G. Flammability: N/A
 - H. Vapour pressure: N/A
 - I. Specific gravity: 2.20 ± 0.1
 - J. Solubility: N/A
 - K. Viscosity: N/A
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10. STABILITY AND REACTIVITY

- A. Chemical stability: Stable
 - B. Conditions to avoid: None
 - C. Material to avoid: None
 - D. Hazardous polymerization: Will not occur
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11. TOXICOLOGICAL INFORMATION

- A. Ingestion: No toxicity
- B. Skin Contact: No information
- C. Eye Contact: N/A
- D. Inhalation: N/A
- E. Mutagenicity: N/A

12. ECOLOGICAL INFORMATION

- A. Mobility: No information
 - B. Persistence and degradability: No information
 - C. Aquatic toxicity and other data rating to toxicity: No information
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13. DISPOSAL CONSIDERATIONS

- A. Disposal of product: In accordance with local rules & regulations
 - B. Disposal of packing: In accordance with local rules & regulations
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14. TRANSPORT INFORMATION

- A. Proper shipping name: N/A
 - B. Hazard technical name: N/A
 - C. Hazard class: N/A
 - D. UN/NA number: N/A
 - E. Packing group: N/A
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15. REGULATORY INFORMATION

- A. Labelling according to ECC regulation hazard symbol
Risk phrase: Safety advice
 - B. Other exposure limited none quoted
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16. OTHER INFORMATION

- A. Recommended Uses: Processing additive agent in the processing of rubber
 - B. Sources of data used to compile data sheets: Manufactures data sheets – National international regulations.
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The information contained is obtained from eruptible sources and to the best of our knowledge at the Mentioned data. It confirms to existing legislation and is given in good faith. Users are advised against improper use of the product.

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Description: Water Base Microlayer Corrosion Protection Chrome-free Coating.

Trade Name: ECOMET® 500 PART B

Product Code: 500

Manufactured in India by: EFFCO FINISHES AND TECHNOLOGIES PVT.LTD

Address: Plot No.12, S.No.253/2/2, Thirumala Industrial Estate, Hinjewadi, Tal-Mulshi, Pune-411057 MH, India

Telephone No.: +91 9850784185 / +91 9967060596

E- mail: warat@effcoinida.com / kunal@effcoindia.com

- A. Product Name: **ECOMET 500 PART B**
 - B. General Description: Blend of Special Molybdenum Oxide Solution
 - C. Physical Form: Purple Liquid
 - D. Colour: Deep Purple
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2. COMPOSITION AND HAZARDOUS COMPONENTS

Ingredients	C.A.S.: No.:	Ingredients	C.A.S.: No.:
Chromium trinitrate	13548-38-4	Water	7732-18-5

3. EFFECTS OF OVEREXPOSURE

- A. Acute effects
 - Eye: N/A
 - Skin: N/A
 - Inhalation: N/A
 - Oral: N/A

- B. Repeated exposure
 - Skin effects: N/A
 - Inhalation: N/A
 - Oral: N/A

4. FIRST AID MEASURES

- A. Eye: Flush with water
 - B. Skin: Flush with water
 - C. Ingestion: No toxicity, no treatment required
 - D. Inhalation: No toxicity, no treatment required
-

5. FIREFIGHTING MEASURES

- A. Flash point (closed cup): N/A
 - B. Autoignition temperature: N/A
 - C. Flammability limits in air: Not Determined
 - D. Extinguishing media: Carbon dioxide, water, foam, dry chemical
 - E. Unsuitable extinguishing media: None
 - F. Firefighting procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
 - G. Usual fire hazards: None
 - H. Hazardous decomposition products: Fume and gas
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6. ACCIDENTAL RELEASE MEASURES

- A. Personal precaution: Wear dust mask, gloves and goggles
 - B. Environmental precaution: Avoid creating dust
 - C. Method for cleaning up: Sweep up for disposal
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7. HANDLING AND STORAGE

- A. Handling: No special precautions
 - B. Storage: No special precautions
-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- A. Respiratory protection: Provide adequate ventilation, wear a suitable dust mask
 - B. Hand protection: Gloves
 - C. Eye protection: Goggles
 - D. Skin protection: Overalls
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9. PHYSICAL AND CHEMICAL PROPERTIES

- A. Appearance: Blue Liquid
 - B. Odour: Mild
 - C. pH: 3.0 - 4.0
 - D. Boiling point: N/A
 - E. Melting point: N/A
 - F. Flash point: N/A
 - G. Flammability: N/A
 - H. Vapour pressure: N/A
 - I. Specific gravity: 1.00 ± 0.05
 - J. Solubility: N/A
 - K. Viscosity: N/A
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10. STABILITY AND REACTIVITY

- A. Chemical stability: Stable
 - B. Conditions to avoid: None
 - C. Material to avoid: None
 - D. Hazardous polymerization: Will not occur
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11. TOXICOLOGICAL INFORMATION

- A. Ingestion: No toxicity
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- A. Mobility: No information
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 - C. Aquatic toxicity and other data rating to ecotoxicity: No information
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13. DISPOSAL CONSIDERATIONS

- A. Disposal of product: In accordance with local rules & regulations
 - B. Disposal of packing: In accordance with local rules & regulations
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14. TRANSPORT INFORMATION

- A. Proper shipping name: Not available
 - B. Hazard technical name: Not available
 - C. Hazard class: Not available
 - D. UN/NA number: Not applicable
 - E. Packing group: Not available
-

15. REGULATORY INFORMATION

- A. Labelling according to ECC Regulation
 - Hazard symbol:
 - Risk phrase:
 - Safety advice:
 - B. Other
 - Exposure limited none quoted
-

16. OTHER INFORMATION

- A. Recommended uses processing additive agent in the processing of rubber
 - B. Sources of data used to compile data sheets: Manufactures data sheets and national and international regulations.
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