



Lime-Based Metallic Paint

Safety Data Sheet (SDS)



Product Name: Lime-Based Metallic Paint

Product Type: Natural lime-based decorative metallic finish

Manufacturer: ARRCOAT Surface Textures Pvt Ltd.

Address: H-151, Ricco Industrial Area, Banasthali Tehsil, Nevai, Tonk, Rajasthan. 304022

Emergency Phone Number: +91 70657 04519

Prepared by: Technical & Safety Compliance Team

SECTION 1 – PRODUCT IDENTIFICATION

Trade Name	Lime-Based Metallic Paint
Product Use	Decorative interior/exterior surface coating
Appearance	Thick paint with metallic sheen
Color	Metallic variants (Gold, Copper, Bronze, Pearl, etc.)
Application	Trowel, brush, roller, or spray

SECTION 2 – HAZARD IDENTIFICATION

- | Classification (GHS) |
- Irritant – Skin and Eye
- Corrosive in wet form due to lime |
- |-----|-----|
- | Signal Word | ☐ WARNING |



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- | Hazard Statements |
- Causes skin and eye irritation
- May cause respiratory discomfort if dust is inhaled
- Alkaline in nature when wet |
- | Precautionary Statements |
- Wear protective gloves, clothing, eye, and face protection
- Avoid contact with eyes and prolonged skin exposure
- Use only in well-ventilated areas |

SECTION 3 – COMPOSITION / INGREDIENT INFORMATION

Component	CAS Number	% by Weight	Classification
Slaked Lime (Ca(OH) ₂)	1305-62-0	30–40%	Corrosive, irritant
Water	7732-18-5	30–40%	Inert
Natural Binders	—	5–15%	Non-hazardous
Metallic Pigments (Mica, Bronze, Alumina, etc.)	Various	5–20%	Eye/Skin irritant (dust)
Natural Anti-foaming or Anti-settling	—	<1%	Non-hazardous





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SECTION 4 – FIRST AID MEASURES

Exposure	Action
Inhalation	Move to fresh air. Seek attention if symptoms persist.
Skin Contact	Wash immediately with soap and water. Remove contaminated clothing.
Eye Contact	Flush thoroughly with water for at least 15 minutes. Get medical help if irritation continues.
Ingestion	Do not induce vomiting. Rinse mouth. Seek medical advice immediately.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability	Non-flammable
Extinguishing Media	Water spray, foam, dry chemical
Hazards	No expected hazardous decomposition in fire
Protective Equipment	Firefighters should wear self-contained breathing apparatus



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SECTION 6 – ACCIDENTAL RELEASE MEASURES

- | Spill Response |
- Contain the spill
- Use inert absorbent material (sand, sawdust)
- Collect and dispose of in accordance with local regulations |
- |-----|-----|
- | Personal Protection | Gloves, goggles, and mask recommended |

SECTION 7 – HANDLING AND STORAGE

- | Handling Precautions |
- Avoid skin and eye contact
- Do not eat, drink, or smoke while using |
- |-----|-----|
- | Storage Conditions |
- Store in sealed containers
- Keep in cool, dry place
- Protect from freezing |

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- | Exposure Limits |
- Calcium Hydroxide: ACGIH TLV = 5 mg/m³ (TWA) |
- |-----|-----|
- | PPE Requirements |
- Eye protection (goggles)
- Impervious gloves (nitrile or rubber)
- N95 mask (if sanding/spraying)
- Protective clothing |





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SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance	Viscous metallic slurry
Odor	Earthy / mineral
pH	11–12 (alkaline)
Boiling Point	~100°C
VOC Content	<5 g/L (low VOC)
Density	~1.5–1.8 g/cm ³
Solubility	Water-dispersible
Flash Point	Not applicable

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable in sealed container
Incompatibilities	Strong acids – may cause reaction with lime
Hazardous Reactions	None under normal conditions
Decomposition Products	None expected



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SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Effects	Irritant to skin, eyes, and respiratory tract
Skin Contact	May cause dryness or irritation
Eye Contact	Can cause serious irritation or burns
Inhalation	Lime dust or pigment particles may irritate lungs
Chronic Effects	No known chronic toxicity if used with PPE

SECTION 12 – ECOLOGICAL INFORMATION

- | Environmental Impact |
- Alkaline – avoid direct discharge into waterways
- Not considered bioaccumulative |
- |-----|-----|
- | Biodegradability | Not biodegradable (mineral-based) |

SECTION 13 – DISPOSAL CONSIDERATIONS

Product Waste	Allow to harden and dispose as construction waste
Container Disposal	Recycle or dispose per local regulations



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SECTION 14 – TRANSPORT INFORMATION

UN Number	Not regulated
Hazard Class	None
Packaging Group	None
Marine Pollutant	No

SECTION 15 – REGULATORY INFORMATION

Labeling (GHS)	Not classified as hazardous (when wet)
VOC Regulations	Compliant with EU, India, US Green Building norms
REACH / RoHS / Prop 65	Exempt or compliant, depending on pigment

SECTION 16 – OTHER INFORMATION

Intended Use: For architectural finishing on walls, ceilings, and artistic applications.
Disclaimer: The information is based on present knowledge and is meant as guidance for safe use. Always test for specific substrate compatibility.