

ENVIROMETAL



MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

Master Coating Technologies
2777 Eagandale Boulevard
Eagan, MN 55121
800.898.0219

Medical & Transport Emergency Contact
INFOTRAC: 1.800.535.5053
MSDS Date: 02.08.2009
DOT Classification: Not Regulated
Supersedes: All Previous CAS Number: Mixture

Trade Name: **EnviroMetal Paint™**
Chemical Family: Urethane/Acrylic Pigment Dispersion

PHYSICAL DATA

Boiling Range (F): 212 (water)
Freezing Point (F): 32 (water)
Vapor Density (Air=1): <1
Vapor Pressure (mmHg @ 68° F): 17
Evaporation Rate (Butyl Acetate = 1): 1 (water)
VOC: < 129 g/L

Solubility in Water: Dilutable
Specific Gravity: 1.1 - 1.3
% Volatile by Weight: 47-48%
pH Information: 8.0 - 9.5
Appearance & Odor: Liquid, colors, latex odor

HAZARDOUS INGREDIENTS

Ingredient	Percent	PPM	MG/M3	CAS Number
Propanediol	1 - 5	300	N/A	57-55-6
Trimethyl-pentanediol isobutyrate	1 - 5	N/A	Not Established	25265-77-4
Mica	5 - 15	N/A	Not Established	12001-26-2
Silica	0 - 5	N/A	Not Established	14808-60-7
Aluminum Flake	5 - 15	N/A	5-OSHA PEL & 10-ACGIH TLV	7429-90-5
Aliphatic Solvent	1 - 2	N/A	525-OSHA PEL & 525-ACGIH TLV	8052-41-3
Aromatic Solvent	1 - 2	N/A	245-Supplier Recommendation	64742-95-6

This paint mixture contains titanium dioxide and/or other pigments classified by ACGIH as "nuisance dusts." Exposures to spray mist or sanding dust should be controlled to below 10mg/m³ through usage of NIOSH/MSHA TC23C or equivalent approved dust filter respirators. Follow respirator manufacturer's directions for use.

SECTION 313 SUPPLIER NOTIFICATION: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. NONE above the minimum concentrations.

HMIS Rating: Health = 1 Flammability = 1 Reactivity = 0 Personal Protection = B*
*User should determine appropriate personal protective equipment based on use conditions

HEALTH HAZARD DATA

TOXICITY DATA: SOLVENTS: Oral LD50 rat > 5000 mg/kg (essentially nontoxic) - dermal LD 50 rabbit > 3160 mg/kg (slight toxic) **ALUMINUM:** None. No toxic effects are known. **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE AND ROUTES OF ENTRY.** Entry Routes: Inhalation, Ingestion, Skin Contact, Eye Contact. Effects of Overexposure: N/A Effects of Inhalation: Trace component, residual monomer and other organics may be irritating to the eyes, skin, mucous membranes, respiratory tract and may produce symptoms of headache and nausea in poorly ventilated areas. **Effects of Ingestion:** DO NOT INGEST. While aluminum content is non-toxic and the solvents are only slightly toxic by oral ingestion, minute amounts of certain portions of solvents, if aspirated into the lungs during ingestion, may cause severe pulmonary injury or death. **Effects of Skin Contact:** Prolonged contact can cause transient reddening of the skin. **Effect of Eye Contact:** Direct contact may be irritating to eyes. **Effects of Repeated Overexposure:** This paint mixture as provided shows no evidence of chronic effects from available information.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush eyes for 15 minutes occasionally lifting eyelids. If victim wears contact lenses, remove lenses and continue rinsing. Clean lenses before reusing. If irritation continues, consult a physician. **Skin Contact:** Wash effected area thoroughly with mild soap and water. If irritation develops and persists, consult a physician. **Inhalation:** Move to fresh air if necessary. If irritation persists, consult a physician. If victim is not breathing, artificial respiration should be administered by qualified personnel. Seek immediate medical attention. **Ingestion:** If swallowed, give lots of water, and induce vomiting. If necessary consult a physician.

FIRE & EXPLOSION HAZARD DATA

Flash Point: 104° F (40°C) Minimum (Method - Setaflash)
 LEL: Not determined (aqueous system)
 UEL: Not determined (aqueous system)

Fire Extinguishing Media:
 Use Class B and Class D extinguishers
Special Fire Fighting Procedures:
 Use breathing apparatus when fighting enclosed fires.

Unusual Fire and Explosion Hazard:

Dried solids can burn, giving off carbon dioxide, carbon monoxide, aluminum oxide, nitrogen oxide, ammonia and phosphorous oxide.
 Aluminum flake can react with some acid and caustic solutions to form gas and heat.

REACTIVITY DATA

This product is stable under normal (ambient) conditions and hazardous polymerization will not occur. **Hazardous Decomposition Products:** Combustion of dried film may produce carbon dioxide and carbon monoxide. **Conditions or Materials to Avoid:** None.

SPILL OR LEAK PROCEDURES

Spill: Major spills should be collected for disposal. Minor spills may be flushed to sewer if permitted by local, state, and federal regulations. **Waste Disposal:** Incinerate or bury in suitable landfills where permitted by appropriate government regulations.

SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use appropriate MAHA/NIOSH approved respirator in areas with poor ventilation and when exposed to spray mists or sanding dusts. **Ventilation:** General room ventilation is expected to be satisfactory. Use local exhaust if needed for mist or vapor. **Protective Gloves:** Wear gloves impervious to water and soap. **Eye Protection:** Wear goggles if spraying and available eye bath.

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