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EE-127-136 :KURETAKE CO. LTD. JAPAN

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Material Safety Data Sheet		KURETAKE CO., LTD. 576 Minamikyobate-cho, 7 chome, Nara-shi, 630 Japan.	
IDENTITY (As Used on Label and List) ZIG PAINTY FMP-10, FMP-10T, FMP-30 (ink)			
Section I			
Manufacturer's Name KURETAKE CO., LTD.		Emergency Telephone Number 0742-50-2055	
Address 576 Minamikyobate-cho, 7 chome, Nara-shi, 630 Japan.		Telephone Number for Information 0742-50-2055	
		Date Prepared: March 12, 1999	
Section II - Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity: Common Name(s))		OSHA PEI	Other Limits ACGIH TLV Recommended % (optional)
Xylene			TWA 100 ppm 10 - 80
Methyl isobuthyl ketone			TWA 50 ppm 0 - 20
n-Buthyl alcohol			TWA 50 ppm 0 - 15
n-Buthyl acetate			TWA 150 ppm 0 - 10
Titanium dioxide (except Gold, Silver & Black)			TWA 10 mg/m3 16 - 33
Aluminium powders (Silver only)			TWA 10 mg/m3 15
Section III - Physical/Chemical Characteristics			
Boiling Point	N.D.	Specific Gravity (H2O = 1)	0.98 - 1.25
Vapor Pressure (mm Hg.)	N.D.	Melting Point	N.A.
Vapor Density (AIR = 1)	N.D.	Evaporation Rate (Butyl Acetate = 1)	N.D.
Solubility in water: insoluble			
Appearance and Odor: metallic or colored liquid with aromatic odor			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used) N.D.	Flammable Limits N.D.	LEL	UEL
Extinguishing Media: CO2, dry chemical and foam			
Special Fire Fighting Procedures: None			
Unusual Fire and Explosion Hazards: None			

N.A. = Not Applicable. N.D. = Not Determined.

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Material Safety Data Sheet		KURETAKE CO., LTD. 576 Minamikyobate-cho, 7 chome, Nara-shi, 630 Japan.	
ZIG PAINTY FMP-10, FMP-10T, FMP-30 (ink)			
Section V - Reactivity Data			
Stability	Unstable		Conditions to avoid:
	Stable	X	
Incompatibility (materials to Avoid):		None	
Hazardous Decomposition or Byproducts:		None	
Hazardous Polymerization	May Occur		Conditions to avoid:
	Will not Occur	X	
Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation ? No	Skin ? Yes	Ingestion ? Yes
Health Hazards (Acute and Chronic)			
None expected. Acute oral toxicity: LD-50 > 2,000 mg/kg (Gold)			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated ?
None			
Sign and Symptoms of Exposure: None expected.			
Medical Conditions Generally Aggravated Exposure: None			
Emergency and First Aid Procedures:			
Eyes: Immediately flush with water enough, see a physician.			
Skin: Wash with soap water. Ingestion: Do not induce vomiting. See a physician.			
Section VII - Precautions for safe Handling and Use			
Steps to Be Taken in Case Materials Is Released Spilled:			
Wash with water and remove with cloth.			
Waste Disposal Method:			
Waste disposal should be in accordance with the existing environmental regulation.			
Precautions to Be Taken in Handling and Storage:			
Keep away from heat, fire or other ignition. Do not store under direct sunlight.			
Other Precautions:			
Use only well ventilated areas. Do not take internally.			
Section VIII - Control Measures			
Respiratory Protection (Specify Type): None required.			
Ventilation	Local Exhaust	Special	Other
	None required	Mechanical (General)	
Protective Gloves:	None required.	Eye Protection:	None required.
Other Protective Clothing or Equipment: None required.			
Work/Hygienic Practices: Standard procedure.			