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* ZIG 2-way glue *

23825-0002



KURETAKE CO., LTD.

ORIGINAL MANUFACTURERS OF WRITING INSTRUMENTS, INKS & OTHER STATIONERY PRODUCTS.

576 MINAMIKYOBATE-CHO, 7-CHOME, NARA-SHI
630 JAPAN

MAIL : P.O. BOX 24, NARA FAX : 0742-50-2077
PHONE : 0742-50-2055 TELEX : 5522150 ZIG_J

Material Safety Data Sheet		KURETAKE CO., LTD. 576 Minamiyobate-cho. 7-chome, Nara-shi, 630 Japan.	
IDENTITY (As Used on Label and List) ZIG 2WAY GLUE (CHANGTN GLUE) MSB-15, MSB-30 (liquid type glue)			
Section I			
Manufacturer's Name KURETAKE CO., LTD.		Emergency Telephone Number 0742-50-2055	
Address 576 Minamiyobate-cho, 7-chome, Nara-shi, 630 Japan.		Telephone Number for Information 0742-50-2055	
		Date Prepared: January 6, 1995	
Section II - Hazardous Ingredients/Identity Information			
Hazardous Components		Other Limits	
(Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Recommended % (optional)
Ethylene glycol	TWA 50 ppm (vapor)		3.0
Section III - Physical/Chemical Characteristics			
Boiling Point	about 100°C	Specific Gravity (H2O = 1)	1.03
Vapor Pressure (mm Hg.)	N.D.	Melting Point	N.D.
Vapor Density (AIR = 1)	N.D.	Evaporation Rate (Butyl Acetate = 1)	N.D.
Solubility in Water: soluble			
Appearance and Odor: blue liquid with low viscosity, sweet odor slightly.			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used)	N.A.	Flammable Limits	LEL: N.A. UEL: N.A.
Extinguishing Media:	N.A.		
Special Fire Fighting Procedures: N.A.			
Unusual Fire and Explosion Hazards: None			

V4069

Item Number: 23825-0002

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


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Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid:
	Stable	X	
Incompatibility (Materials to Avoid):		N.D.	
Harzardous Decomposition or Byproducts:		N.D.	
Harzardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	
Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation ?	Skin ?	Ingestion ?
	No	No	Yes
Health Hazards (Acute and Chronic)			
Acute oral toxicity: LD-50 > 2,000 mg/kg			
Carcinogenicity: N.D. NTP ? IARC Monographs ? OSHA Regulated ?			
Signs and Symptoms of Exposure: N.D.			
Medical Conditions: N.D.			
Generally Aggravated Exposure			
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 or 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 Storing:			
Store at temperature of 5 - 35°C. Do not store under direct sunlight.			
Other Precautions:			
Do not take internally.			
Section VIII - Control Measures			
Respiratory Protection (Specify Type):		Not required	
Ventilation	Local Exhaust	Special	
	Mechanical (General)	Other	
Protective Gloves:	Not required.	Eye Protection:	Not required.
Other Protective Clothing or Equipment:		Not required.	
Work/Hygienic Practices: Standard procedure.			