

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.			U.S. Department of Labor Occupational Safety and Health Administration(Non-Mandatory Form) Form Approved OMB No. 1218-0072			
IDENTITY (As used on Label and list) - Precise Zing Refill Ink (2) (PZ7) Red, Green			Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.			
Section 1						
Manufacturer's Name PILOT CORPORATION			Telephone Number 03-3538-3700			
Address(Number, Street, City State & Zip) 6-21, Kyobashi 2-Chome, Chuoko			Emergency Number 03-3538-3909			
Tokyo, 104-8304 Japan			Date Prepared January 5th, 2004			
			Signature of Preparer(Optional)			
Section II - Hazardous Ingredients/Identity Information						
Hazardous Components(Specific Chemical Identity;Common Name(s))			OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
NAME	CAS. NO.	TLV(PPM)	WT. (%)		COMPONENT	
Triethanolamine	102-71-6		1.0			
Section III - Physical/Chemical Characteristics						
Boiling Point				Specific Gravity (H20=1)		
Vapor Pressure(mm Hg)				Melting Point		
Vapor Density(Air=1) 1.04-1.08 (20.0 c)				Evaporation Rate (Butyl Acetate = 1)		
Solubility in Water Soluble						
Appearance and Odor Liquid; no oder						
Section IV - Fire and Explosion Hazard Data						
Flash Point(Method Used) Boils without Flashing			Flammable Limits		LEL	UEL
Extinguishing Media Not classed as flammable. In case of fire, use water spray, foam, dry chemical powder or carbon dioxide.						
Special Fire Fighting Procedures						
Unusual Fire and Explosion Hazards None						
Section V- Reactivity Data						
Stability	Unstable		Conditions to Avoid			
	Stable X					
Incompatibility (Materials to Avoid)						
Hazardous Decomposition or Byproducts						

Hazardous Polymerization	May Occur		Condition to Avoid
	May Not Occur		
Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation? <i>N/A</i>	Skin?	Ingestion?
Health Hazards(Acute and Chronic)			
Carcinogenicity:	NTP? <i>None</i>	IARC Monographs? <i>None</i>	OSHA Regulated? <i>None</i>
Signs and Symptoms of Exposure			
Medical Conditions			
Generally Aggravated by Exposure <i>N/A</i>			
Emergency and First Aid Procedures			
<i>Ingestion: Seek medical help. Eyes: Flush with clean water for at least 15 mins.. Skin: wash with soap and water..</i>			
Section VII - Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled			
<i>Absorb spill with material (paper or cloth), then place in a chemical waste container.</i>			
Waste Disposal			
<i>In accordance with national, state and local regulations.</i>			
Precautions to Be Taken in Handling and Storing <i>Avoid rough handling or dropping. Store in a cool, dry, well-ventilated location.</i>			
Other Precautions			
Section VIII - Control Measures			
Respiratory Protection(Specify Type)			
Ventilation	Local Exhaust	Special	
	Mechanical(General)	Other	
Protective Gloves <i>Wear suitable gloves.</i>		Eye Protection <i>Wear suitable gloves.</i>	
Other Protective Clothing or Equipment <i>Wear suitable protective clothing.</i>			
Work/Hygienic Practices			