Material Safety Data Sheet			U.S. Department of Labor			
May be used to comply with			Occupational Safety and Health Administration(Non-			
SHA's Hazard Communication Standard		Mandatory Form)				
29 CFR 1910.1200. Standard must be consulted for specific requirements.			Form Approved	n		
			OMB No. 1218-0072			
<b>IDENTITY</b> (As used on Label and list) -			Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space			
VBALL RT LB5R- LB5R2, LB5R3, LB5R4, LB5RR			must be marked to indicate that.			
BLK, BLU, RED, GR	SKK					
SECTION I	<b>,</b> , <b>,</b> , <b>,</b> , <b>,</b> ,,,,,,,,,,,,,,,,,,,,,,,					
Manufacturer's Name			Telephone Number			
PILOT CORPORATION			03-3538-3700			
			Fax Number			
6-21, Kyobashi 2- chome chuo-ku			03-3538-3909			
Tolwo 104 9204 Janan			Date Prepared			
Tokyo,104-8304 Japan			10/1/07 Proported by			
~ ~ ~ ~~		-	Prepared by			
Section II - Hazardous	0	, i i i i i i i i i i i i i i i i i i i		0011	PEL ACGIH Other Limits %	
Hazardous Componen	nts(Specific Chem	nical Identity;C	ommon Name(s))	OSHA	PEL ACGIH Other Limits % TLV Recommended (option	
NAME	CAS. NO.	TLV(PPM)	WT. (%)		COMPONENT	
Triethanolamine	102-71-6		1.0 0 (B, R,	<b>L</b> )		
Section III - Physical/C	Chemical Char	acteristics				
Boiling Point <b>N.D.</b>					PH <b>N.D</b> .	
-	<i>D</i> .				PH <b>N.D.</b> Melting Point	
Vapor Pressure(mm Hg) <b>N</b> .					Melting Point Evaporation Rat (Butyl Acetate =	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> .					Melting Point Evaporation Rat	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> .		No smell.			Melting Point Evaporation Rat (Butyl Acetate =	
Vapor Pressure(mm Hg) <u>N</u> . Vapor Density(Air=1) <u>N.D</u> . Solubility in Water <u>N.D</u> . Appearance and Odor <u>Writi</u>	ng instrument.				Melting Point Evaporation Rat (Butyl Acetate =	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> Section IV - Fire and F	<i>ng instrument.</i> Explosion Haza	ard Data	nable Limits N D		Melting Point Evaporation Rat (Butyl Acetate = 1)	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i>	<i>ng instrument.</i> Explosion Haza L.D.	a <b>rd Data</b> Flamm	able Limits <b>N.D.</b>		Melting Point Evaporation Rat (Butyl Acetate = 1) LEL <b>N.D.</b> UEL <b>N.I</b>	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> Section IV - Fire and E Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i>	ng instrument. Explosion Hazz LD. The of fire, use w	a <b>rd Data</b> Flamm		cal powde	Melting Point Evaporation Rat (Butyl Acetate = 1) LEL <b>N.D.</b> UEL <b>N.I</b>	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu	ng instrument. Explosion Hazz LD. The of fire, use w	a <b>rd Data</b> Flamm		cal powde	Melting Point Evaporation Rat (Butyl Acetate = 1) LEL <b>N.D.</b> UEL <b>N.I</b>	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu	ng instrument. Explosion Hazz LD. The of fire, use w	a <b>rd Data</b> Flamm		cal powde	Melting Point Evaporation Rat (Butyl Acetate = 1) LEL <b>N.D.</b> UEL <b>N.I</b>	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu Autoignition Temp. <i>N.D.</i> .	ng instrument. Explosion Haza I.D. The of fire, use wares N.A.	a <b>rd Data</b> Flamm		cal powde	Melting Point Evaporation Rat (Butyl Acetate = 1) LEL <b>N.D.</b> UEL <b>N.I</b>	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu Autoignition Temp. <i>N.D.</i> .	ng instrument. Explosion Haza I.D. The of fire, use wares N.A.	a <b>rd Data</b> Flamm		cal powde	Melting Point Evaporation Rat (Butyl Acetate = 1) LEL <b>N.D.</b> UEL <b>N.I</b>	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu Autoignition Temp. <i>N.D.</i> .	ng instrument. Explosion Haza J.D. The of fire, use woures N.A. Hazards	a <b>rd Data</b> Flamm		cal powde	Melting Point Evaporation Rat (Butyl Acetate = 1) LEL <b>N.D.</b> UEL <b>N.I</b>	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu Autoignition Temp. <i>N.D</i>	ng instrument. Explosion Haza J.D. The of fire, use woures N.A. Hazards	a <b>rd Data</b> Flamm			Melting Point Evaporation Rat (Butyl Acetate = 1) LEL <b>N.D.</b> UEL <b>N.I</b>	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu Autoignition Temp. <i>N.D</i>	ng instrument. Explosion Haza J.D. Se of fire, use w ures N.A. Hazards	a <b>rd Data</b> Flamm			Melting Point   Evaporation Rat   (Butyl Acetate = 1)   LELN.D.   UELN.I   er or carbon dioxide	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu Autoignition Temp. <i>N.D.</i> . Unusual Fire and Explosion I Section V- Storage Haz Stability	ng instrument. Explosion Haza L.D. The of fire, use wourds N.A. Hazards Exards Unstable	ard Data Flamm Pater spray fo	oam or dry chemi		Melting Point   Evaporation Rat (Butyl Acetate = 1)   LELN.D. UELN.I   er or carbon dioxide   Conditions to Avoid	
Boiling Point <i>N.D.</i> Vapor Pressure(mm Hg) <i>N.</i> Vapor Density(Air=1) <i>N.D.</i> Solubility in Water <i>N.D.</i> Solubility in Water <i>N.D.</i> Appearance and Odor <i>Writi</i> <b>Section IV - Fire and F</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu Autoignition Temp. <i>N.D.</i> . Unusual Fire and Explosion I <b>Section V- Storage Haz</b> Stability Incompatibility (Materials to Avoid) Hazardous Decomposition or Byproducts	ng instrument. Explosion Haza L.D. The of fire, use woures N.A. Hazards Exards Unstable Stable	Ard Data Flamm Pater spray for A.	oam or dry chemi		Melting Point   Evaporation Rat (Butyl Acetate = 1)   LELN.D. UELN.I   er or carbon dioxide   Conditions to Avoid	
Vapor Pressure(mm Hg) <i>N</i> . Vapor Density(Air=1) <i>N.D</i> . Solubility in Water <i>N.D</i> . Solubility in Water <i>N.D</i> . Appearance and Odor <i>Writi</i> <b>Section IV - Fire and E</b> Flash Point(Method Used) <i>N</i> Extinguishing Media <i>In cas</i> Special Fire Fighting Procedu Autoignition Temp. <i>N.D</i> Unusual Fire and Explosion I Section V- Storage Haz Stability Incompatibility (Materials to Avoid)	ng instrument. Explosion Haza L.D. The of fire, use we wares N.A. Hazards Unstable Stable N.A.	Ard Data Flamm Pater spray for A.	oam or dry chemi		Melting Point   Evaporation Rat (Butyl Acetate = 1)   LELN.D. UELN.I   er or carbon dioxide   Conditions to Avoid	

## Section VI - Health Hazard Data

Section VI - Health Hazard Data						
Route(s) of Entry: <i>None</i>	Inhalation? <b>N.A.</b>	Skin?	Ingestion?			
Health Hazards(Acute and C	Chronic) <mark>N.D.</mark>					
Signs and Symptoms of Exp	oosure <b>N.D.</b>					
Medical Conditions						
Generally Aggravated by Ex	xposure <b>N.D.</b>					
Emergency and First Aid Pr	ocedures ; Inhalation :N.	A. Eyes: Flush with p	lenty of water, consult medical. Skin:			
Wash with soap & wate	er Ingestion: Drink mil	k and consult medica	l			
Section VII - Precauti	ons for Safe Handlin	g and Use				
Steps to Be Taken in Case N	Aaterial is Released or Spi	lled				
Flush with water, soak	up with absorbent m	aterials.				
Waste Disposal						
In accordance with Na	tional, State and Loc	al regulations.				
Precautions to Be Taken in	Handling and Storing					
None						
Other Precautions						
None						
Section VIII - Control	Measures					
Respiratory Protection(Spec	ify Type) Not Required					
Ventilation		st <i>Not <b>Required</b></i>	Special <i>Not Required</i>			
	Mechanical(	General) <i>Not Required</i>	Other Not Required			
Protective Gloves <b>Rubber or polyethyrene glo</b>	110 S	Eye Protection <b>Goggles.</b>				
Other Protective Clothing of		0058103.				
Not Required	1 <sup></sup> Γ <sup></sup>					
Work/Hygienic Practices						
After handling, wash hands	s well with soap and water	۴				

Return to Data Sheet Index

**RETURN TO DATA SHEET INDEX**