



ZEBRA PEN

242 Raritan Center Parkway
Edison, NJ 08837

21880-2021
-5011

NAME: Zebra Pen

CAS NO: NA

MATERIAL SAFETY DATA SHEET

A-IDENTIFICATION			
<u>Composition</u>		%	Formula: Mixture
Ethyleneglycol monophenyl ether(122-99-6)			Molecular Weight: NA
Benzyl Alcohol(100-51-6)			Synonyms:
Dyestuff			Jimnie Ballpoint Rubber Sharbo
Resin			Jimnie Retractable Ballpoint SK-Sharbo
			F-301(Ultra) K Refill
			F-402 F Refill
			Notus 500 Ballpoint SK Refill
			Pocket Pen H Refill
			Rubber 80 Ballpoint 4C Refill
			3C-500 Tapli
			Zebra Pen Airfit
B-PHYSICAL DATA			
Boiling Point		Melting Point	
F 245 C	NA F NA C	Freezing Point	
Specific Gravity		Vapor Density(air=1)	
1.10-1.20	4.8	Vapor Pressure @ F mmHg	
Evaporation (Butyl Acetate=1)		Saturation in Air (by volume@ F)	
1>	NA	Autoignition Temperature	
% Volatiles		Solubility in Water	
NA	Insolible	pH NA	
Appearance Odor			
Colored fluid			
Flash Point and Test Method(s)			
121 C(Open)			
Flammable Limits in air (% by volume) Lower _____ % Upper _____ %			
C-REACTIVITY			
Stability	x Stable	Unstable	Polymerization may occur x will not occur
<u>Condition to Avoid</u>		<u>Condition to Avoid</u>	
Product is flammable. Avoid contact with open flame or other ignition sources.		NA	
<u>Incomprable Materials</u>		<u>Hazardous Decomposition Products</u>	
Strong Oxidizers		Thermal degradation may produce oxides of carbon and nitrogen and various hydrocarbons.	
*IF MULTIPLE INGREDIENTS, INCLUDE CAS NUMBERS FOR EACH NA=NOT AVAILABLE			
Physical data, except Specific Gravity , refers to Ethyleneglycol monophenyl ether			



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D-HEALTH HAZARD DATA	
Occupational Exposure Limits PEL's , TLV's , etc	
8-Hour TWA's NA	
Warning Signals NA	
Routine Effects of Exposure	
1. Inhalation	No adverse effects anticipated from normal use . If vapors are deliberately concentrated and inhaled (abuse) , the following symptoms may occur , respiratory irritation , dizziness , drowsiness , headache , nausea , unconsciousness , convulsions , cardiac sensitization , coma and death .
2. Ingestion	No adverse effects anticipated from normal use . Depending on amount ingested , most of the symptoms described above may occur . Estimated LD50 in rat is 3.000mg/Kg . Aspiration may result in chemical pneumonitis .
3. Skin	<u>a. Contact</u> No adverse effects anticipated from normal use . Irritation may occur if contact is prolonged / repeated . <u>b. Absorption</u> No adverse effects anticipated from normal use . Solvent can be absorbed through skin (prolonged contact) , but not likely in acutely toxic amounts .
4. Eye Contact	If splashed into eye , irritation can occur .
5. Other	NA
E-ENVIRONMENTAL IMPACT	
1. Applicable regulations	NA
2. DOT Hazard Class	
3. DOT Shipping Name	
Environmental Effect	NA

Page 2



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F-EXPOSURE CONTROL METHODS	
Engineering Controls	None under normal use conditions .
Eye Protection	None under normal use conditions .
Skin Protection	None under normal use conditions .
Respiratory Protection	None under normal use conditions .
Other	Product is non-hazardous when used as directed in an office/room with normal air condition .
G-WORK PRACTICES	
Handling and Storage	Product is flammable . No unusual handling or storage when used as directed ; when stored in large quantities (as in warehouse) , it should be in a well-ventilated , cool area , away from ignition sources .
Normal Clean Up	Pick up spills with towels , tissues , etc .
Waste Disposal Methods	Dispose in accordance with applicable federal , state and local laws .

Page 3



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H-EMERGENCY PROCEDURES	
Steps to be taken if material is released to the environment or spilled in the work area Not applicable	
Fire and Explosion Hazard Product is flammable . May produce hazardous decomposition products .	Extinguishing Media Dry chemical , foam , carbon dioxide .
Firefighting Procedures In fires involving large quantities of product , use self-contained breathing apparatus . Cool fire-exposed containers with water fog/spray .	
I-FIRST AID AND MEDICAL EMERGENCY PROCEDURES	
Eyes Flush eyes with plenty of water . If irritation persists , obtain medical attention .	
Skin Wash with soap and water .	
Inhalation No adverse effects anticipated from normal use . In an abuse situation , remove from source of exposure . Treat symptomatically . Oxygen may be administered . Seek medical attention immediately and refer to "Note to Physician" below .	
Ingestion Consult physician .	
Note to Physician Contains Ethyleneglycol monophenyl ether and Benzyl Alcohol which if aspirated , may cause chemical pneumonitis . The inhalation of concentrated vapors may produce cardiac sensitization , contraindicating the use of sympathomimetic agents .	

Page 4