

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.

* Water-based Pen Set *
NIKKO

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

20706-2109 set

IDENTITY (As Used on Label and List) FS-20, -40, -60
 & black ink for DH-10, -11

Notes: 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 I

Manufacturer's Name ITOYA OF AMERICA, LTD.	Emergency Telephone Number
Address (Number, Street, City, State, and ZIP Code) 3540 Voyager Street Torrance, Ca 90503	Telephone Number for Information (213) 371-2294
	Date Prepared April 27, 1990
	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)
direct Dyestuffs			1.0	~1.3%
acid dyestuffs			3.0	~6.0%
Etylen glycol			20.0	~25.0%
Urean			1.0	~2.0
Sodium Delydroacetate			0.5%	
Sodium Benzate			0.5%	
Tio-Di-Etylen glycol			5.0%	
Nonion Surfactant			0.5%	
Water			68.5	~59.2%

V-2345

Section III - Physical/Chemical Characteristics

Boiling Point	105° C	Specific Gravity (H₂O = 1)	1.03108
Vapor Pressure (mm Hg.)	18	Melting Point	n.d.
Vapor Density (AIR = 1)	(not determined)	Evaporation Rate (Burl Acetate = 1)	n.d.
Solubility in Water	N/A		
Appearance and Odor	N/A		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	n/a	Flammable Limits	n/a	LEL	UEL
Extinguishing Media	n/a				
Special Fire Fighting Procedures	n/a				
Usual Fire and Explosion Hazards	n/a				

Product Locality

OSHA 174, Sept. 1985

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: n.d. Inhalation? n.d. Skin? n.d. Ingestion? n.d.

Health Hazards (Acute and Chronic) not determined

Carcinogenicity: NTP? no IARC Monographs? no OSHA Regulated? no

Signs and Symptoms of Exposure not determined

Medical Conditions Generally Aggravated by Exposure n.d.

Emergency and First Aid Procedures wash off with soap and water

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
wash with soap and water

Waste Disposal Method in accordance with federal, state or local regulations

Precautions to Be Taken in Handling and Storing n/a

Other Precautions n/a

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust	yes	Special
	Mechanical (General)	n/a	Other

Protective Gloves n/a Eye Protection n/a

Other Protective Clothing or Equipment n/a

Work Practices: Processes use in well-ventilated area