Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard.29 CFR 1910.1200.

IDENTITY (As Used on Label and List)	Note:	Blank spaces are not permitted. If any item is not applicable, or no
OEM RIBBON CASSETTE for use on		information is available, the space must be marked to indicate that.
CITIZEN 124D/224/Swift24/e SW2 + ABC24 (BLACK)		

Section 1

Manufacturers Name	Emergency Telephone Number	
UNION CHEMICAR Co. LTD.	+81-72-856-3321	
Address (Number, Street, City, State and ZIP Code)	Telephone Number for Information	
3-10, SHODAI TAJIKA,	+81-72-856-3321	
HIRAKATA,	Date Prepared	
OSAKA 573-1132	24 th March 2011	
JAPAN	Signature of Preparer	
	K. OKAMOTO	

azardous Co	emponents (Specific Chemical Ider	ents/Identity Informati http://dentity.common Name	OHSA PEL	ACGIH TLV	Other Limits Recommended	% (optional
NK (BLAC	K)					
VIT (DLAC	Carbon Black	(CAS No. 1333-86-4)		N/A		
	Oil	(CAS No. 1333-66-4)		N/A		
	Dye			N/A N/A		
	Буе			IN/A		
IBBON						
IBBOIT	Nylon 66	(CAS No. 3213-17-2)		N/A		
ASSETTE						
	Acrylonitrile Butadiene Styrene (ABS)	(CAS No. 9003-56-9)		N/A		
	Copolymer Acetal (POM)	(CAS No. 24969-26-4)		N/A		

Section 3 - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	0.96	
Vapour Pressure (mm Hg)	N/A	Melting Point	N/A	
Vapour Density (Air=1)	N/A	Evaporation Rate (Butyl Acetate=1)		
Soluability in Water Limited				
Appearance and Odour	Black plastic cassette containing black inked nylon ribbon. Slight Odour.			

Section 4 - Fire and Explosion Hazard Data

Flash Point (Method used)	Over 260°C (Open Cup)	Flammable Limits	LEL	UEL		
	Over 200 C (Open Cup)		N/A	N/A		
Extinguishing Media	Extinguishing Media Water, Foam, CO ₂ Gas, Dry Chemical					
Special Fire Fighting Procedures	Remove movable containers to a safe place. Use water to cool surrounding area. Extinguish fire from windward side. Wear protective equipment while fighting fire.					
Unusual Fire and Explosion Hazards	None					

Section 5 - Reactivity Data

Stability	Unstable		Conditions to Avoid			
	Stable	YES				
Incompatability (Materials to Avoid)	None					
Hazardous Decomposition or Byproducts	lous Decomposition or Byproducts During a fire, toxic gases may be generated by thermal decomposition or combustion.					
Hazardous Polymerisation	Unstable		Conditions to Avoid			
	Stable	YES				

Section 6 - Health Hazard Data

Route of Entry	Ingestion					
	N/A	N/A	N/A			
Health Hazards (Acute and Chronic)						
21/2						
N/A						
Carcinogenicity	NTP	IARC Monographs	OSHA Regulated			
	Not Listed	Carbon Black = Group 2B	Not Listed			
Signs and Symptoms of Exposure	•	•				
Mana						
None						
Medical Conditions Generally Aggravated by Ex	posure					
, 55	•					
None	None					
Emergency and First Procedures						
Eye Contact :	Eye Contact: Irrigate with clean water for more than 15 minutes. Seek medical advice.					
Lyc Contact :	Lyc Johnadi . Thigate with clean water for more than 10 minutes. Joek medical advice.					
Skin Contact :	Wash with soap and water.					
Ingestion :	Induce vomiting. Get prompt medical attention.					

Section 7 - Precautions for Safe Handling and Use Steps to be Taken in Case Material is Released or Spilled Wipe with paper or cloth Wase Disposal Method Small Spills: Incinerate in open-type incinerator. (over 800°C) Large Spills: Consign to Industrial Waste Treatment Agency Follow all relevant statutory regulations for disposal Precautions to be Taken in Handling and Storing None Other Precautions None Section 8 - Control Measures Respiratory Protection (Specify Type) Not required Ventilation Local Exhaust Not required Mechanical (General) Special Other Protective Gloves Not required Eye Protection Not required Other Protective Clothing or Equipment Not required Work/Hygienic Practices

After handling, wash hands with soap and water.