

Material Safety Data Sheet

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

<p>IDENTITY (As Used on Label and List)</p> <p>OEM RIBBON CASSETTE for use on CITIZEN IR/31 (RED/BLACK)</p>	<p>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.</p>
---	--

Section 1

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

Section 2 - Hazardous Ingredients/Identity Information

[illegible]

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)	
Solubility in Water	Limited		
Appearance and Odour	Black plastic cassette containing Red/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	N/A	UEL	N/A
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	
Incompatibility (Materials to Avoid) <div>None</div>			
Hazardous Decomposition or Byproducts <div>During a fire, toxic gases may be generated by thermal decomposition or combustion.</div>			
Hazardous Polymerisation	Unstable		Conditions to Avoid
	Stable	YES	

Section 6 - Health Hazard Data

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

Section 7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled	
Wipe with paper or cloth	
Waste 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
	Mechanical (General)
	Special
	Other
Not required	
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.	