

Product Name

# MATERIAL SAFETY DATA SHEET

Page:1/4 Date Revised :Jul.22, 2013 Date Issued : Apr.1, 2008 MSDS No. F-01616

### **1. PRODUCT AND COMPANY IDENTIFICATION**

: MX-31NTCA / MX-31GTCA / MX-31FTCA MX-31ATCA / MX-31BTCA / MX-31CTCA (Cyan Toner)

Supplier Identification : Sharp Corporation

22-22 Nagaike-cho, Abeno-ku, Osaka, Japan

Local suppliers are listed below. Please contact the nearest supplier for additional information.

Area	(Country)	(Local suppliers)			
	U.S.A.	Sharp Electronics Corporation			
		Sharp Plaza, Mahwah, New Jersey 07495-1163			
		Telephone number : 800-237-4277			
North		Emergency telephone number: 800-255-3924			
America	Canada	Sharp Electronics of Canada Ltd.			
		335 Britannia Road East, Mississauga, Ontario L4Z 1W9			
		Telephone number : 905-890-2100			
		Emergency telephone number : 1-800-255-3924			
	Australia	Sharp Corporation of Australia PTY. Ltd.			
Oceania		No1 Huntingwood Drive Huntingwood Blacktown N.S.W.			
		Telephone number: 1300-13-50-22			
	Germany	Sharp Electronics (Europe) GMBH			
		Sonninstrasse 3, 20097 Hamburg			
		Telephone number : 040-2376-2185			
	United	Sharp Electronics (U. K.) Ltd.			
	Kingdom	4 Furzeground Way, Stockley Park, Uxbridge Middlesex,			
		UB11 1EZ			
		Telephone number : 08705-274-277			
	France	Sharp Electronics France S.A.			
		22, Avenue des Nations, Paris Nord 2, BP 52094 / 95948			
		Roissy-Charles de Gaulle, Cedex			
	• • •	Telephone number : 01-49-90-34-00			
	Austria	Sharp Electronics (Europe) GmbH			
		Handelskai 342 1020 Wien			
	ltoly (	Telephone number : 01-727-19-0			
Europe	Italy	Sharp Electronics (Italy) S.P.A. Via Lampedusa, 13 20141 Milano			
		Telephone number : 02895951			
	Spain	Sharp Electronics (Espana) S.A.			
	Spain	Calle Sena, 2-10 Poligono Industrial Can Sant Joan. Parcela 8,			
		08174 Sant Cugat Del Valles			
		Telephone number : 93-581-97-00			
	Netherlands	Sharp Electronics Benelux B.V.			
	riotrioriariae	P.B. 900 Meidoornkade 10, 3992 AE Houten			
		Telephone number : 30-6359500			
	Sweden	Sharp Electronics Nordic AB			
		Box 14098, Gustavslundsvagen 12, SE-167 14, Bromma			
		Telephone number : 08-634-36-00			
	Switzerland	Sharp Electronics(Schweiz)AG			
		Moosstrasse 2, Postfach 321 8803 Ruschlikon			
		Telephone number : 01-846-6111			
Middle	U.A.E.	Sharp Middle East FZE			
East		P.O.Box 17115 Jebel Ali, Dubai			
Lasi		Telephone number : 04-8815311			



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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance[ ]	Preparation[3	K]				
Ingredient	CAS No.	<b>Proportion</b>	OSHA PEL	ACGIH TLV	MAK-TWA	NOHSC- TWA
Polyester resin	Confidential	80-90%	Not listed	Not listed	Not listed	Not listed
Organic pigment	Confidential	2-7%	Not listed	Not listed	Not listed	Not listed
Paraffin wax	8002-74-2	1-5%	Not listed	Not listed	Not listed	Not listed
Amorphous silica	7631-86-9	1-5%	80mg/m <sup>3</sup>	2mg/m <sup>3</sup>	Not listed	Not listed

#### 3. HAZARDS IDENTIFICATION

Most Important Hazards and Effects of the Products

Human Health Effects : There are no anticipated carcinogenic effects from exposure based on animal tests
performed using toner. When used as intended according to instructions, studies do not
indicate any symptoms of fibrosis will occur.
Environmental Effects : Not toxic to aquatic organisms
Specific hazards : Dust explosion (like most finely divided organic powders)
Directive 1999/45/EC(Europe) : Not classified as dangerous
Australian Information : Not classified as hazardous according to criteria of NOHSC.

### 4. FIRST-AID MEASURES

Route(s) of Entry : Inhalation?		Skin?	Ingestion?	
	Yes	No	Possible but very unusual.	
Inhalation	: Remove to fresh air. If	symptoms occur,	consult medical personnel.	
Skin Contact: Wash with soap and water for 15 minutes or until particle is removed.				
	If irritation does occur, c	onsult medical pe	ersonnel.	
Eye Contact	Eye Contact : flush eyes immediately with water for 15 minutes. If irritation does occur, consult medical personnel.			dical personnel.
Ingestion	: Rinse with water and drimedical personnel.	ink several glasse	es of water. If irritation or discomfort does o	occur, consult

5. FIRE -FIGHTING MEASURES	
Extinguishing Media	: Water, CO <sub>2</sub> , foam and dry chemicals
Special Fire fighting Procedure	es: None
Fire and Explosion Hazards	: Toner material, like most finely divided organic powders, may form an explosive mixture.

6. ACCIDENTAL RELEASE MEASURES		
Personal Precautions	: None	
<b>Environmental Precautions</b>	: None	
Methods for Cleaning Up	: Wipe off with paper or cloth. Do not use vacuum cleaner when a large amount is released. It, like most finely divided organic powders, is capable of creating a dust explosion.	



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7. HANDLING AND STO	RAGE			
Handling				
<b>Technical Measures</b>	: None			
Precautions	: None			
Safe Handling Advice	: Use of a dust mask is recommended when handling a large quantity of toner or during long term exposure, as with any non-toxic dust. Try not to disperse the particles.			
Storage				
<b>Technical Measures</b>	: None			
Storage Conditions	: Keep container closed and Store in a cool and dry place.			
	Keep out of the reach of children.			
Incompatible Products	Incompatible Products : None			
8. EXPOSURE CONTRO	DLS/PERSONAL PROTECTION			
Engineering Measures	S Ventilation : Not required under intended use.			
Exposure limit values				
OSHA-PEL(USA)	:15mg/m <sup>3</sup> (Total Dust) ,5mg/m <sup>3</sup> (Respirable Dust)			
ACGIH-TLV(USA)	:10mg/m <sup>3</sup> (Total Dust) ,3mg/m <sup>3</sup> (Respirable Dust)			
Personal Protective E	quipment			
Respiratory Protection	: None required when used as intended in Sharp equipment.			
Hand Protection	: None required when used as intended in Sharp equipment.			
Eye Protection	n : None required when used as intended in Sharp equipment.			
Skin Protection	tion : None required when used as intended in Sharp equipment.			
Other Protective Equip	ment : Use of a dust mask and goggles are recommended when handling a large quantity of			
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toner or during long term exposure, as with any non-toxic dust.

Appearance Physical State	: Solid	Form: Powder	Color: Blue	Odor: odorless
Ph	: Not applica	able		
Boiling/Melting Point	: Not applica	able		
Softening Point(°C)	: 100 - 130			
Flash Point(°C )	: Not applica	able		
Ignition Point(°C )	: No data			
Explosion Properties	: No data			
Density(g/cm³)	: Approx. 1.	1 (bulk density : Approx	. 0.4)	
Solubility in water	: Negligible			

## 10. STABILITY AND REACTIVITY

Stability	: Stable	
Hazardous Reactions	: Dust explosion, like most finely divided organic powders.	
Conditions to Avoid	: Electric discharge, throwing into fire.	
Materials to Avoid	: Oxidizing Materials	
Hazardous Decomposition Products : CO, CO <sub>2</sub> and NO <sub>X</sub>		
Further Information	: None	



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11. TOXICOLOGICA	1. TOXICOLOGICAL INFORMATION				
Acute Toxicity					
Ingestion(oral)	: LD <sub>50</sub> >2000mg/k	tg (Rats)			
Inhalation	: LC <sub>50</sub> >5.00mg/l (Rat,4hr)				
Eye irritation	: Not an irritant (Rabbits)				
Skin irritation	: Not an irritant (F	Rabbits)			
Skin sensitizer	: Not sensitized				
Mutagenicity	: Negative(Ames Test)				
Carcinogenicity	: <u>NTP?</u>	IARC Monographs?	OHSA Regulated?		
	No	No	No		

#### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

On available data, toner is not harmful to aquatic organisms

13. DISPOSAL CONSIDERATIONS				
Waste from residues	: Waste material may be dumped or incinerated under conditions which meet all federal,			
	state and local environmental regulations.			
<b>Contaminated Packaging:</b> Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.				

### **14. TRANSPORT INFORMATION**

UN Classification : None Not classified as hazardous for transport.

## **15. REGULATORY INFORMATION**

. REGULATORY INFORMATION	
US Information	
TSCA(Toxic Substances Control Act)	:
All chemical substances in this prod	uct comply with all applicable rules or order under TSCA.
SARA(Superfund Amendments and R	eauthorization Act) Title III
302 Extreme Hazardous Substance	: None
311/312 Hazard Classification	: None
EU Information	
1999/45/EC and 67/548/EEC	
Symbol & Indication	: Not required
R-Phrase	: Not required
76/769/EEC	: All chemical substances in this product comply with all applicable rules or order under 76/769/EEC.

#### **16. OTHER INFORMATION**

NFPA Rating (USA)	: Health=1 Flammability=1 Reactivity=0
WHMIS Legislation (Canada)	: This product is not a controlled product.

The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. However, all materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we do not guarantee that these are the only hazards which exist.