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Date Revised : Apr. 8, 2009
Date Issued :Mar. 1, 2006

MSDS No. F-01426

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : MX-70NTCA/MX-70GTCA/MX-70FTCA (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)	(Name and Telephone Number)				
North America	U.S.A.	Sharp Electronics Corporation				
		Sharp Plaza, Mahwah, NJ				
		Telephone number for information	: 1-800-237-4277			
		Emergency telephone number	: 1-800-255-3924			
	Canada	Sharp Electronics of Canada Ltd.				
		Telephone number for information	: 905-890-2100			
		Emergency telephone number	: 1-800-255-3924			
Oceania	Australia	Sharp Corporation of Australia PTY. Ltd.				
		No1 Huntingwood Drive Huntingwood Blacktown N.S.W.				
		Telephone number for information : 1300-13-50-22				
	Germany	Sharp Electronics (Europe) GMBH				
		Sonninstrasse 3, 20097 Hamburg				
		Telephone number to access MSDS	: 040-2376-2185			
Europe		For more information	: 040-2376-2613			
	United	Sharp Electronics (U. K.) Ltd.				
	Kingdom	Telephone number for information	: 08705-274-277			
	France	Sharp Electronics France S.A.				
		Telephone number for information	: 01-49-90-34-00			
	Austria	Sharp Electronics GMBH				
		Telephone number for information	: 01-727-19-0			
	Italy	Sharp Electronics (Italy) S.P.A.				
		Telephone number for information	: 02895951			
	Spain	Sharp Electronics (Espana) S.A.				
		Telephone number for information	: 93-581-97-00			
	Netherlands	Sharp Electronics Benelux B.V.				
		Telephone number for information	: 30-6359500			
	Sweden	Sharp Electronics Nordic AB				
		Telephone number for information	: 08-634-36-00			
	Switzerland	Sharp Electronics(Schweiz)AG				
		Telephone number for information	: 01-846-6111			
Middle	U.A.E.	Sharp Middle East FZE				
East		P.O.Box 17115 Jebel Ali, Dubai	04.045044			
		Telephone number for information	: 04-815311			

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance[] Preparation[X]

Ingredient	CAS No.	<b>Proportion</b>	OSHA PEL	<b>ACGIH TLV</b>	MAK-TWA	NOHSC-TWA
Polyester grafted resin	Confidential	40-50%	Not listed	Not listed	Not listed	Not listed
Polyester resin	Confidential	35-45%	Not listed	Not listed	Not listed	Not listed
Organic pigment	Confidential	5-10%	Not listed	Not listed	Not listed	Not listed
Paraffin wax	Confidential	5-10%	Not listed	Not listed	Not listed	Not listed
Amorphous silica	68909-20-6	1-5%	80mg/m <sup>3</sup>	2mg/m <sup>3</sup>	Not listed	Not listed



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#### 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

[Estimated from the other product containing similar material]

**Specific hazards**: Dust explosion (like most finely divided organic powders)

Directive 1999/45/EC(Europe) : Not classified as dangerous

4. FIRST-AID MEASURES

Route(s) of Entry: Inhalation? Skin? Ingestion?

es 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, consult medical personnel.

**Eye Contact**: flush eyes immediately with water for 15 minutes. If irritation does occur, consult medical personnel.

**Ingestion**: Rinse with water and drink several glasses of water. If irritation or discomfort does occur, consult

medical personnel.

5. FIRE -FIGHTING MEASURES

**Extinguishing Media**: Water, CO<sub>2</sub>, foam and dry chemicals

Special Fire fighting Procedures: 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 Environmental Precautions : 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.

#### 7. HANDLING AND STORAGE

Handling

Technical Measures : 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** 

Technical Measures : None

Storage Conditions : Keep container closed and Store in a cool and dry place.

Keep out of the reach of children.

Incompatible Products: None



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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures Ventilation: Not required under intended use.

**Exposure limit values** 

OSHA-PEL(USA) : 15mg/m³ (Total Dust) , 5mg/m³ (Respirable Dust)
ACGIH-TLV(USA) : 10mg/m³ (Total Dust) , 3mg/m³ (Respirable Dust)

**Personal Protective Equipment** 

Respiratory Protection : None required when used as intended in Sharp equipment. : None required when used as intended in Sharp equipment. Eye Protection : None required when used as intended in Sharp equipment. : None required when used as intended in Sharp equipment. : None required when used as intended in Sharp equipment.

Other Protective Equipment: Use of a dust mask and goggles are recommended when handling a large quantity of

toner or during long term exposure, as with any non-toxic dust.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State: Solid Form: Powder Color: Blue Odor: faint

Ph : Not applicable
Boiling/Melting Point : Not applicable
Softening Point(°C) : 100 - 130
Flash Point(°C) : Not applicable
Ignition Point(°C) : No data
Explosion Properties : 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.

Further Information : None

# 11. TOXICOLOGICAL INFORMATION

### **Acute Toxicity**

 $\begin{array}{ll} \mbox{Ingestion(oral)} & : \mbox{LD}_{50} > 2000 \mbox{mg/kg} \ \mbox{[Estimated from the other product containing similar material]} \\ \mbox{LD}_{50} > 2000 \mbox{mg/kg} \ \mbox{[Estimated from the other product containing similar material]} \\ \end{array}$ 

Inhalation : LC<sub>50</sub>>5.00mg/l (Rat,4hr) [Estimated from the other product containing similar material]

Eye irritation : Not an irritant [Estimated from the other product containing similar material]
Skin irritation : Not an irritant [Estimated from the other product containing similar material]
Skin sensitizer : Not sensitized [Estimated from the other product containing similar material]

Mutagenicity : Negative(Ames Test) [Estimated from the other product containing similar material]

Carcinogenicity: NTP? IARC Monographs? OHSA Regulated?

No No No

#### 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

On available data, toner is not harmful to aquatic organisms [Estimated from the other product containing similar material]



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#### 13. DISPOSAL CONSIDERATIONS

Waste from residues : Waste material may be dumped or incinerated under conditions which meet all federal,

state and local environmental regulations.

Contaminated Packaging: 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

**US** Information

TSCA(Toxic Substances Control Act) :

All chemical substances in this product comply with all applicable rules or order under TSCA.

SARA(Superfund Amendments and Reauthorization 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.

**Australian Information** 

Not classified as hazardous according to criteria of NOHSC.

#### 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.