

MATERIAL SAFETY DATA SHEET

Page:1/4

Date Issued : Jul.26,2010 MSDS No. F-01906

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : MX-23NT-CA/MX-23GT-CA/MX-23FT-CA

MX-23AT-CA/MX-23BT-CA/MX-23CT-CA (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)
North America	U.S.A.	Sharp Electronics Corporation
		Sharp Plaza, Mahwah, New Jersey 07495-1163
		Telephone number : 800-237-4277
		Emergency telephone number: 800-255-3924
	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
Oceania	Australia	Sharp Corporation of Australia PTY. Ltd.
		No1 Huntingwood Drive Huntingwood Blacktown N.S.W.
		Telephone number : 1300-13-50-22
Europe	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
	1, 1	Telephone number : 01-727-19-0
	Italy	Sharp Electronics (Italy) S.P.A.
		Via Lampedusa, 13 20141 Milano
	On alia	Telephone number : 02895951
	Spain	Sharp Electronics (Espana) S.A.
		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.
	Netherlands	P.B. 900 Meidoornkade 10, 3992 AE Houten
		Telephone number : 30-6359500
	Sweden	Sharp Electronics Nordic AB
	o wodon	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 East	U.A.E.	Sharp Middle East FZE
		P.O.Box 17115 Jebel Ali, Dubai
		Telephone number : 04-8815311
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Substance[]

MATERIAL SAFETY DATA SHEET

Page:2/4

Date Issued: Jul.26,2010 MSDS No. F-01906

2. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation[X]

Ingredient CAS No. **ACGIH TLV Proportion OSHA PEL MAK-TWA NOHSC-TWA** Polyester resin Confidential 80-90% Not listed Not listed Not listed Not listed Organic pigment Confidential 1-5% Not listed Not listed Not listed Not listed

8002-74-2 1-5% Not listed Paraffin wax Not listed Not listed Not listed 80mg/m³ 2mg/m³ Amorphous silica 68909-20-6 1-5% 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

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

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, 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

: Water, CO2, foam and dry chemicals **Extinguishing Media**

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.



MATERIAL SAFETY DATA SHEET

Page:3/4

Date Issued : Jul.26,2010 MSDS No. F-01906

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

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.
Hand Protection : None required when used as intended in Sharp equipment.
Eye Protection : None required when used as intended in Sharp equipment.
Skin Protection : 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: odorless

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

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



MATERIAL SAFETY DATA SHEET

Page:4/4

Date Issued : Jul.26,2010 MSDS No. F-01906

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

 $\begin{tabular}{ll} Ingestion(oral) & : LD_{50}>2000mg/kg(Rats) \\ Inhalation & : LC_{50}>5.00mg/l (Rat,4hr) \\ Eye irritation & : Not an irritant(Rabbits) \\ Skin irritation & : Not an irritant(Rabbits) \\ \end{tabular}$

Skin sensitizer : Not sensitized

Mutagenicity : Negative(Ames Test)

Carcinogenicity: NTP? 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.

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.

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.