

MATERIAL SAFETY DATA SHEET

Date Revised :Jul.22.2013 Date Issued :Mar. 1.2006 MSDS No. F-01428

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : MX-70NTYA/MX-70GTYA/MX-70FTYA (Yellow 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					
	14 1	Telephone number : 01-727-19-0					
Europe	Italy	Sharp Electronics (Italy) S.P.A.					
•		Via Lampedusa, 13 20141 Milano					
	Oracia	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						
	Nethenanus	Sharp Electronics Benelux B.V. P.B. 900 Meidoornkade 10, 3992 AE Houten					
		Telephone number : 30-6359500					
	Sweden	Sharp Electronics Nordic AB					
	Oweden	Box 14098, Gustavslundsvagen 12, SE-167 14, Bromma					
		Telephone number : 08-634-36-00					
	Switzerland	Sharp Electronics(Schweiz)AG					
	Cinconand	Moosstrasse 2, Postfach 321 8803 Ruschlikon					
		Telephone number : 01-846-6111					
	U.A.E.	Sharp Middle East FZE					
Middle	0	P.O.Box 17115 Jebel Ali, Dubai					
East		Telephone number : 04-8815311					



Substance[]

MATERIAL SAFETY DATA SHEET

Date Revised :Jul.22.2013 Date Issued :Mar. 1.2006 MSDS No. F-01428

2. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation[X]

		-				
Ingredient	CAS No.	Proportion	<u>OSHA PEL</u>	ACGIH TLV	<u>MAK-TWA</u>	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
Paraffin wax	8002-74-2	1-5%	Not listed	Not listed	Not listed	Not listed
Amorphous silica	7631-86-9	1-5%	80mg/m ³	2mg/m ³	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 E	ntry : Inhalation?	<u>Skin?</u>	Ingestion?	
	Yes	No	Possible but very unusual.	
Inhalation	: Remove to fresh air. If	symptoms occur,	consult medical personnel.	
Skin Contact	•		s or until particle is removed.	
	If irritation does occur, c	•		
Eye Contact	: flush eyes immediately	with water for 15	minutes. If irritation does occur, consult medical perso	nnel
Ingestion	: Rinse with water and dri medical personnel.	nk several glasse	es of water . If irritation or discomfort does occur, cons	ult

5. FIRE –FIGHTING MEASURES Extinguishing Media : Water , CO₂, 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.		



Date Revised :Jul.22.2013 Date Issued :Mar. 1.2006 MSDS No. F-01428

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/m ³ (Total Dust) ,5mg/m ³ (Respirable Dust)
ACGIH-TLV(USA)	:10mg/m ³ (Total Dust) ,3mg/m ³ (Respirable Dust)
Personal Protective Equ	uipment
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 Equipm	nent : 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	ł	Form: Powder	Color: Yellow	Odor: faint
Ph	:	Not applicable			
Boiling/Melting	g Point :	Not applicable			
Softening Poir	nt(°C):	100 - 130			
Flash Point(°C	;) :	Not applicable			
Ignition Point((°C) :	No data			
Explosion Pro	perties :	No data			
Density(g/cm ³)) :	Approx. 1.1 (b	oulk density : Approx. 0.	.4)	
Solubility in w	ater :	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	$s: CO, CO_2$ and NO_X
Further Information	: None



MATERIAL SAFETY DATA SHEET

Date Revised :Jul.22.2013 Date Issued :Mar. 1.2006 MSDS No. F-01428

11.		
	TOXICOLOGICAL INFORMATION	
	Acute Toxicity	
	Ingestion(oral) : LD ₅₀ >2000	mg/kg
	Inhalation : LC ₅₀ >5.00n	ng/l (Rat,4hr)
	Eye irritation : Not an irrita	ant
	Skin irritation : Not an irrita	ant
	Skin sensitizer : Not sensitiz	zed
	Mutagenicity : Negative(Ames Te	est) [Estimated from the other product containing similar material]
	Carcinogenicity : <u>NTP?</u>	IARC Monographs? OHSA Regulated?
	No No	No No
12	ECOLOGICAL INFORMATION	
	Ecotoxicity	
	On available data, toner is not harmf	ful to aquatic organisms
	On available data, toner is not nami	iui to aquatic organisms
13	DISPOSAL CONSIDERATIONS	
		aterial may be dumped or incinerated under conditions which meet all federa
		local environmental regulations.
		ay be disposed or incinerated under conditions which meet all federal, state
		environmental regulations.
		environmental regulations.
14.	TRANSPORT INFORMATION	
	UN Classification : None	
	Not classified as hazardous for transpo	ort.
15.	REGULATORY INFORMATION	
15.	REGULATORY INFORMATION US Information	
15.	US Information	
15.	US Information TSCA(Toxic Substances Control Act)	
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc	duct comply with all applicable rules or order under TSCA.
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc SARA(Superfund Amendments and R	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc SARA(Superfund Amendments and R 302 Extreme Hazardous Substance	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III e : None
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc SARA(Superfund Amendments and R 302 Extreme Hazardous Substance 311/312 Hazard Classification	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc SARA(Superfund Amendments and R 302 Extreme Hazardous Substance 311/312 Hazard Classification EU Information	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III e : None
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this prod SARA(Superfund Amendments and R 302 Extreme Hazardous Substance 311/312 Hazard Classification EU Information 1999/45/EC and 67/548/EEC	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III e : None : None
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc SARA(Superfund Amendments and R 302 Extreme Hazardous Substance 311/312 Hazard Classification EU Information 1999/45/EC and 67/548/EEC Symbol & Indication	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III e : None : None : Not required
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc SARA(Superfund Amendments and R 302 Extreme Hazardous Substance 311/312 Hazard Classification EU Information 1999/45/EC and 67/548/EEC Symbol & Indication R-Phrase	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III e : None : None : Not required : Not required
15.	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc SARA(Superfund Amendments and R 302 Extreme Hazardous Substance 311/312 Hazard Classification EU Information 1999/45/EC and 67/548/EEC Symbol & Indication	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III e : None : None : Not required
	US Information TSCA(Toxic Substances Control Act) All chemical substances in this proc SARA(Superfund Amendments and R 302 Extreme Hazardous Substance 311/312 Hazard Classification EU Information 1999/45/EC and 67/548/EEC Symbol & Indication R-Phrase	duct comply with all applicable rules or order under TSCA. Reauthorization Act) Title III e : None : None : Not required : Not required : All chemical substances in this product comply with all applicable rules of

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.