

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : MX-31NTYA / MX-31GTYA / MX-31FTYA
 MX-31ATYA / MX-31BTYA / MX-31CTYA (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) |
|---------------|----------------|---|
| 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 Kingdom | Sharp Electronics (U. K.) Ltd. 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 Telephone number : 01-727-19-0 |
| | Italy | Sharp Electronics (Italy) S.P.A. Via Lampedusa, 13 20141 Milano 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. 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 East | U.A.E. | Sharp Middle East FZE P.O.Box 17115 Jebel Ali, Dubai Telephone number : 04-8815311 |

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: Yellow | 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.
Materials to Avoid : Oxidizing Materials
Hazardous Decomposition Products : CO, CO₂ and NO_x
Further Information : None
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11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Ingestion(oral) : LD₅₀>2000mg/kg (Rats)
Inhalation : LC₅₀>5.00mg/l (Rat,4hr)
Eye irritation : Not an irritant (Rabbits)
Skin irritation : Not an irritant (Rabbits)
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.
