

Date Revised :Apr.25. 2002

Date Issued :May. 1. 2001

MSDS NO. F-00928

1.PRODUCT AND COMPANY IDENTIFICATION

Product Name : AR-C15NT8 / C15T8 / C15ST8, AR-C25NT8 / C25T8 / C25ST8 (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.

(Country)	(Name and Telephone Number)
U.S.A.	Sharp Electronics Corporation 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
United Kingdom	Sharp Electronics (U. K.) Ltd. Telephone number for information : 01923-47-4013
Australia	Sharp Corporation of Australia PTY. Ltd.: Telephone number for information: •1300-13-50-22
Germany	Sharp Electronics (Europe) GMBH••• Telephone number for information : 40-2376-2737

2.COMPOSITION/INFORMATION ON INGREDIENTS

Substance[]	Preparation[X]					
<u>Ingredient</u>	<u>CAS No.</u>	<u>Proportion</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>MAK-TWA</u>	<u>NOHSC- TWA</u>
Polyester resin	75214-60-70	85-95%	Not listed	Not listed	Not listed	Not listed
Organic pigment	5580-57-4	5-10%	Not listed	Not listed	Not listed	Not listed
Boron compound	114803-11-1	1-5%	Not listed	Not listed	Not listed	Not listed
Polypropylene	9003-07-0	1-5%	Not listed	Not listed	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 : No data are available.

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

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

Extinguishing Media : water , CO2, foam and dry chemicals

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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

8.EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures

• • Ventilation : None required with 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) :

104-112

Flash Point(°C) :

Not applicable

Ignition Point(°C) :

>350

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 NOX

Further Information : None

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11.TOXICOLOGICAL INFORMATION

Acute ToxicityIngestion(oral) : $LDL_0 > 2000$ mg/kg(Rats)

Dermal : No Data

Inhalation : No Data

Eye irritation : Not an irritant(Rabbits)

Skin irritation : Not an irritant(Rabbits)

Skin sensitizer : No Data

Mutagenicity : Negative(Ames Test)**Carcinogenicity** •: NTP? IARC Monographs? OHSA Regulated?
No No No

12.ECOLOGICAL INFORMATION

•••No data are available.

13.DISPOSAL CONSIDERATION

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

Land DOT(USA) : Not dangerous substance

Sea IMDG : Not applicable

Air ICAO-T I: Not applicable

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.
