

Date Revised : Jul. 31, 2002
 Date Issued : Oct. 10, 2001
 MSDS No. K-90038

1.PRODUCT AND COMPANY IDENTIFICATION

Product Name : AJ-T10Y (Yellow Ink)

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
Europe	Germany	Sharp Electronics (Europe) GMBH Sonninstrasse 3, 20097 Hamburg Telephone number to access MSDS : 040-2376-2185 For more information : 040-2376-2613
	United Kingdom	Sharp Electronics (U. K.) Ltd. 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 East	U.A.E.	Sharp Middle East FZE P.O.Box 17115 Jebel Ali, Dubai Telephone number for information : 04-815311

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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>
Water	7732-18-5	15-35%	Not listed	Not listed	Not listed	Not listed
Sulfolane* ¹	126-33-0	10-20%	Not listed	Not listed	Not listed	Not listed
Acetyethanolamine	142-26-7	10-20%	Not listed	Not listed	Not listed	Not listed
Butyl Carbitol* ²	112-34-5	10-20%	Not listed	Not listed	Not listed	Not listed
Urea	57-13-6	5-10%	Not listed	Not listed	Not listed	Not listed
Yellow Dye, liquid	Trade Secret* ³	10-20%	Not listed	Not listed	Not listed	Not listed

*¹ EC No. : 204-783-1, Symbol letter : Xn, R Phrase : R22

*² EC No. : 203-961-6, Symbol letter : Xi, R Phrase : R36

*³ NJ Trade Secret Registration Number : 15859800-5009.

3.HAZARDS IDENTIFICATION

Most Important Hazards and Effects of the Products

May cause eye irritation.

Prolonged or repeated contact may cause skin irritation.

Specific Hazards : None

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

4.FIRST-AID MEASURES

Route(s) of Entry :	<u>Inhalation?</u>	<u>Skin?</u>	<u>Ingestion?</u>
	Not applicable	Yes	Yes

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

Special Fire Fighting Procedures : None

Fire and Explosion Hazards : None

6.ACCIDENTAL RELEASE MEASURES

Personal Precautions : None

Environmental Precautions : None

Methods for Cleaning Up : Wipe off with paper or cloth. Wash to waste with water.

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7.HANDLING AND STORAGE

HandlingTechnical Measures : None
Precautions : None
Safe Handling Advice : Avoid prolonged or repeated skin contact.
Avoid transfer to eyes.**Storage**Technical Measures : None
Storage Conditions : Store in packaging supplied. Keep out of the reach of children.
Incompatible Products : None

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

Ventilation : None required with intended use.

Exposure Limit Values

None assigned

Personal Protective EquipmentUnder normal use of the ink cartridge, there is no need to use gloves and eye shields.
Standard eye and skin protection for laboratory chemical safety is required.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State : Liquid Color : Yellow Odor : Slight odor

Ph : 6 - 8**Boiling / Melting Point** : 93 / Not applicable**Flash Point(°C)** : > 96, Not flammable**Ignition Point(°C)** : Not applicable**Vapor Pressure(mmHg)** : Not determined**Specific Gravity(water=1)** : ~ 1**Solubility in Water** : Soluble

10.STABILITY AND REACTIVITY

Stability : Stable**Hazardous Reactions** : None**Conditions to Avoid** : None**Materials to Avoid** : None**Hazardous Decomposition Products** : Oxides of carbon / nitrogen

11.TOXICOLOGICAL INFORMATION

Acute ToxicityIngestion(oral) : LD₅₀ > 2000mg/kg (Estimated from the data of constituent components)

Dermal : No data

Inhalation : No data

Eye irritation : May cause eye irritation.

Skin irritation : Prolonged or repeated contact may cause irritation.

Skin sensitizer : No data

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Mutagenicity : Negative (Estimated from the data of constituent components)
Carcinogenicity : No ingredient is listed carcinogen according to IARC, ACGIH, OSHA and NTP criteria.
Chronic Effect : None present.

12.ECOLOGICAL INFORMATION

Ecotoxicology : Presents little or no hazard to the environment.
Environmental Fate : No information available.
Environmental Hazard Values : No information available.

13.DISPOSAL CONSIDERATIONS

Waste from Residues : This material is not a hazardous waste according to Federal Regulation 40 CFR 261 when disposed. 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.
EU Information
1999/45/EC and 67/548/EEC
Symbol & Indication : Not required
R-Phrase : Not required

16.OTHER INFORMATION

NFPA Rating (USA) : Health=0 Flammability=1 Reactivity=0
WHMIS Legislation (Canada) : This product is not a controlled product.
List of R phrases : R22 : Harmful if swallowed
R36 : Irritating to eyes

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.
