Material Safety Data Sheet

AS-500 DJ

TAIYO INK MFG. CO., (KOREA) LTD

MATERIAL SAFETY DATA SHEET

PAGE 1/5

SECTION 1	IDENTIFICATION	
1. PRODUCT	AS-500 DJ	
2. GENERAL CHEMICAL PROPERTIES	UV curing etching resist for PCB	
3. HAZARD CLASSIFICATION	Irritative material	
4. USE	Etching resist for PCB	
5. MANUFACTURE	TAIYO INK MFG. CO., (KOREA) LTD 1058-8,SINGIL-DONG, DANWON-GU, ANSAN-CITY KYUNGKI-DO REPUBLIC OF KOREA (TEL :82-31-491-9250)	
6. DISTRIBUTOR	TAIYO INK MFG. CO., (KOREA) LTD 1058-8,SINGIL-DONG, DANWON-GU, ANSAN-CITY KYUNGKI-DO REPUBLIC OF KOREA (TEL :82-31-491-9250)	
7. WRITING PART	RESEARCH INSTITUTE OF TAIYO INK MFG. CO., (KOREA) LTD.	
8. ENACTMENT DATE	June 14, 2005	
9. REVISION DATE	April 16, 2007 (Rev. 1)	

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	CONTENTS(%)
2-Hydroxyethyl Methacrylate	868-77-9	6%

	HAZARD IDENTIFICATION	SECTION 3
--	-----------------------	-----------

1. IN CASE OF EMERGENCY : Wash with plenty of soap and water.

2. RISK INFORMATION : NFPA Index (health = 2, fire= 1, reaction = 1)

3. LATENCY EFFECT FOR HEALTH

- EYE CONTACT : Slight irritation.

- SKIN CONTACT : May irritate by repetitive or continuous contacting.

: From the space where it is shut tightly, the case which long time or excess amount will inhale the fume it is nauseous, vomit, dizzy and the internal organs damage etc. will be able to occur - INHALATION

: May cause vomiting, gastroenteric disorder.

- INGESTION : N.E

- CHRONIC

SECTION 4 FIRST AID MEASURES

1. EYE CONTACT : Rinse immediately with water and seek medical attention.

2. SKIN CONTACT : Rinse immediately with water for at least 15 minutes after taking

off working clothes.

3. INHALATION : Move to fresh air.

4. INGESTION : Obtain medical advice immediately.

5. WARNING FROM DOCTOR : No specific antidote exists.

Receive immediate medical attention according to the condition of a patient. If it caught a disease for skin and eye, so much grows

worse by effect of different things.

SECTION 5 FIRE-FIGHTING MEASURES

1. FLASH POINT : 128 (Seta Flash)

2. SPONTANEOUS COMBUSTION POINT : N.E.

3.MIN.FLASH POINT/MAX. FLASH POINT : N.E/N.E

4. CLASSIFICATION AND PROVISION : N.A

FOR THE FIRE SERVICES ACT.

5. SUITABLE EXTINGUISHING MEDIA : Sodium carbonate, Carbon tetra chloride. dry powder.

6. EXTINGUISHMENT/EXTINGUISHER : - Non inhalation vapor, back against the wind.

-Container cooling as water spray.

-Check the spread of fire, extinguish the fire with

suitable extinguisher.

caution) Exposure for heat, spark and ignitor are

possible of fire or explosion.

7. DESTRUCTION BY FIRE : Toxic gases or vapors may be generated.

8. UNSUITABLE EXTINGUISHING MEDIA : N.E.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION. : Avoid ignition sources, contact with skin, eyes and

clothing.

ENVIRONMENTAL PRECAUTION : Waste matters are controlled by only company have a

license.

METHODS FOR CLEANING OR

REMOVING

: - In this case leak a small quantity of paste, wipe out a stain using dustcloth or absorb. Dispose in accordance

with local regulations.

- In this case leak a great quantity of paste, take in waste into a container using Scoop. Dispose in accordance

with local regulations.

SECTION 7	HANDLING AND STORAGE
HANDLING	: - In handling, wear safeguard. Caution of skin and eye contact - Rinse immediately with water for at least 15 minutes
STORAGE	 :- Store in the original sealed container at 10~20 :- Avoid direct exposure to UV and sunlight. -Storage in ventilative and place that is no damage of snow, wind, rain etc.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

TECHNICAL PROTECTIVE MEASURES.
 RESPIRATORY PROTECTION
 Wear suitable mask to avoid inhalation of vapor.
 Wear safety glasses and chemical resistant gloves
 BODY PROTECTION
 Wear chemical resistant working clothes for non body contact.
 PROTECTION FOR SANITARY REASON
 At skin contact, wash with plenty of soap and water

6. PERMISSION CONCENTRATION : N.E.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES				
1.APPEARANCE	: Viscous Liquid	2.ODOR	: Slight Odor	
3. pH	: N.E	4.SOLUBILITY	: N.E.	
5.BOILING POINT	: N.E	6.MELTING POINT	: N.E.	
7.EXPLOSIVE PROPERTIES	: N.E	8.OXIDATION PROPERTIES	: N.E.	
9.VAPOUR PRESSURE / DENSITY	: N.E	10. SPECIFIC GRAVITY	: 1.54	
11. PARTITION COEFFIFIENT	: N.E	12. VISCOSITY	: 250Ps	
13.MOLECULAR WEIGHT	: N.E	14.COLOR	: BLUE	

SECTION 10 STABILITY	STABILITY AND REACTIVITY		
1.CHEMICAL STABILITY	: Stable for 6 months in low temp.(10~20)		
2.MATERIALS TO AVOID	: Fire, Water, Strong Oxidant		
3.CONDITIONS TO AVOID	: Direct ray of light(the sun), Ultraviolet rays, Source of heat.		
4.HAZARDOUS DECOMPOSITION PRODUCT	:Other toxic gases or vapors may be generated in thermal decomposition.		
5 DOSCIBILITY OF DOLVMEDIZATION	·NF		

5.POSSIBILITY OF POLYMERIZATION : N.E. **TOXIC**

SECTION 11 TOXICOLOGICAL INFORMATION

1. EFFECT OF THE EYES : N.E. 2. EFFECT OF THE SKIN : N.E. 3. EFFECT OF THE ACUTE ORAL : N.E. 4. EFFECT OF THE ACUTE INHALATION : N.E. 5. EFFECT OF THE TOXICITY : N.E. 6. EFFECT OF THE MUTAGENICITY : N.E 7. EFFECT OF THE CHRONICITY : N.E. 8. EFFECT OF THE NEXT GENERATION : N.E.

SECTION 12 THE INFLUENCE OF ENVIROMENT

1.AQUATIC AND : N.E.

9. EFFECT OF THE CARCINOGENICITY

ECOLOGICAL INFLUENCE

2.SOIL MIGRATORY : N.E.

3.REMAINING BEHIND AND : N.E.

DECOMPOSITION

4.POSSIBILITY OF ACCUMULATION : N.E.

WITHIN LIVING BODY OF LIVING THINGS

SECTION 13 PRECAUTION IN DISUSE

OF REGULATION IN LAW TO CONTROL WASTE MATTERS.

1.THE PRESENT CONDITION: In the case of disusing illegal, you are aggravating punished in law to control waste matters (Article 58, Clause 2) and special law for controlling of environment crime (Article 7).

2.DISUSE METHOD

: Product is waste matters generated in law to control waste matters (Article 2). Only company have a license control in law to

control waste matters (Article 25).

Seta Flash)

: N.E.

3.PRECAUTION IN DISUSE : Isolate not to be leaked or outflow.

SECTION 14 TRANSPORT INFORMATION

1.CLACIFICATION AND : N.E.

REGULATION IN **SHIPPING** TRANSPORT OF DANGEROUS THINGS AND STORAGE RULES

2. CLACIFICATION AND

: N.A.(128 REGULATION IN ICAO/IATA.

ADR. RID

3. PRECAUTION IN TRANSPORT

: Take notice not to flow in rainwater and so on.

Take notice of heat and Direct ray of light(the sun).

Take notice not to flow in pollutants after opening tool.

Take notice to leak in opening tool and breakage.

SECTION 15

REGULATORY INFORMATION

1. 2-Hydroxyethyl Methacrylate(CAS No. 868-77-9)

- Hazard Classification

Xi: Irritant (R43)

- "Risk & Safety" Phrases

R43: May cause sensitization by skin contact.

S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of . . . (to be specified by the manufacturer).

SECTION 16

THE OTHERS INFORMATION

- 1. This product is mixtures and made out referring MSDS of raw material composing this product.
- 2. This MSDS's reliability is high because of being based on research results of TYK, other institute and literature. But do not warrant about accuracy of contents.

* optional

U.K. = Un-Known

N.E. = Not Established

N.A. = Not Applicable