Material Safety Data Sheet

UVR-150G MP20DG

(UL NAME: UVR-150G)

TAIYO INK MFG. CO., (KOREA) LTD

MATERIAL SAFETY DATA SHEET

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SECTION 1	IDENTIFICATION	
1. PRODUCT/UL NAME	UVR-150G MP20DG / UVR-150G	
2. GENERAL CHEMICAL	Excellent adhesion, heat resistance and printing performance as	
PROPERTIES	solder resist for PCB.	
3. HAZARD CLASSIFICATION	Irritative material	
4. USE	Solder resist for PCB	
	TAIYO INK MFG. CO., (KOREA) LTD	
5. MANUFACTURE	1058-8,SINGIL-DONG, DANWON-GU, ANSAN-CITY	
	KYUNGKI-DO REPUBLIC OF KOREA (TEL :82-31-491-9250)	
	TAIYO INK MFG. CO., (KOREA) LTD	
6. DISTRIBUTOR	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	May 28, 1996	
9. REVISION DATE	Dec,10, 2003 (Rev. 3)	

SECTION 2 COMPOSITION/INFOR	2 COMPOSITION/INFORMATION ON INGREDIENTS		
INGREDIENTS	CAS No.	CONTENTS(%)	
- PHTHALOCYANINE GREEN	1328-53-6	0.8%	
- SILICA,TALC AND OTHER	-	42.3%	
- ACRYLIC MONOMER	-	29.8%	
- MODIFIEDEPOXY ACRYLATE RESIN	-	25.2%	

SECTION 3 HAZ	HAZARD IDENTIFICATION	
1. IN CASE OF EMERGENCY	: Wash with plenty of soap and water	
2. RISK INFORMATION	: NFPA Index (health = 1, fire= 1, reaction = 0)	
3. LATENCY EFFECT FOR HEAD - EYE CONTACT - SKIN CONTACT	 : Slight irritation. : May irritate by repetitive or continuous contacting. : From the space where it is shut tightly, the case which 	
- INHALATION - INGESTION	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.	
- CHRONIC	: May cause vomiting, gastroenteric disorder.: N.E	

SECTION 4 FIRST AID MEASURES 1. EYE CONTACT : Rinse immediately with water and seek medical attention.

: Rinse immediately with water for at least 15 minutes after taking

off working clothes.

: Move to fresh air. 3. INHALATION

: Obtain medical advice immediately. 4. INGESTION

: No specific antidote exists. 5. WARNING FROM DOCTOR

> 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

: 142 (Seta Flash) 1. FLASH POINT

: N.E 2. SPONTANEOUS COMBUSTION POINT

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

4. CLASSIFICATION AND PROVISION : N.A

FOR THE FIRE SERVICES ACT.

2. SKIN CONTACT

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.

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

: N.E 8. UNSUITABLE EXTINGUISHING MEDIA

SECTION 6 ACCIDENTAL RELEASE MEASURES

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

clothing.

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

license.

METHODS FOR CLEANING OR

REMOVING

: - In this case leak a small quantity of paste, wipe out a stain using dust cloth 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		
1. TECHNICAL PROTECTIVE MEASURES.	: Establish an exhauster or washing stand	
2. RESPIRATORY PROTECTION	: Wear suitable mask to avoid inhalation of vapor.	
3.EYE AND HAND PROTECTION	: Wear safety glasses and chemical resistant gloves	
4. BODY PROTECTION	: Wear chemical resistant working clothes for non body contact.	
5. 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	: -
11. PARTITION COEFFIFIENT	: N.E	12. VISCOSITY	: -
13.MOLECULAR WEIGHT	: N.E	14.THE OTHERS	: N.E.

SECTION 10 STABILI	ITY AND REACTIVITY
1.CHEMICAL STABILITY	: Stable for six 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.

 $\begin{array}{ll} \textbf{5.POSSIBILITY OF POLYMERIZATION} &: N.E \\ \textbf{TOXIC} \end{array}$

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.

9. EFFECT OF THE CARCINOGENICITY : N.E.

SECTION 12 THE INFLUENCE OF ENVIROMENT

1.AQUATIC AND

ECOLOGICAL INFLUENCE : N.E.

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

1.THE PRESENT CONDITION OF REGULATION IN LAW TO CONTROL WASTE MATTERS. : 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).

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

REGULATION IN ICAO/IATA. ADR. RID

: N.A. [142 (Seta Flash)]

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.INDUSTRY SAFETY HEALTH LAW

: - Law

(Article 39): Item about indication of hazardous substance(Article 41): Item about creation and furnishing etc. of material safety health data

- Enforcement regulation

(Article 30): Item about disbursement and putting on etc. of protection nine

protection nine

(Article 93): Item about work environment measurement (Article 117~120): Item about whole or part exhaust device

2.LAW TO CONTROL TOXIC CHEMICAL MATERIALS : N.A.

3.REGULATION IN THE OTHERS LAW

: - Fire fighting law (Article 12) — Item about dangerous article classification standard

- Waste matters law

(Article 2): Item about appointment waste (Article 25): Item about waste disposal

(Article 58): Item about control of environment crime

- ICAO/IATA: Item about classification standard of danger material

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.