

MATERIAL SAFETY DATA SHEET

UV CURING OFFSET PROCESS COLOR INK

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MANUFACTURED FOR
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SECTION. 1 PRODUCT IDENTIFICATION

COMMON NAME ; UV Curing Offset-Printing Process-Color Ink Series
PRODUCT NAME ; UV Paper Process- Yellow, Magenta, Cyan, Black

SECTION. 2 HAZARDOUS INGREDIENTS

COMPONENTS	CAS No.	WT. %
Di Allyl-phthalate Prepolymer	25053-15-0	23-29
Di Tri-methylol Propane Tetra-acrylate	94108-97-1	42-48
Photo Initiator	71868-10-5	6-9
Polyethylene Wax	9002-88-4	1-2
<u>Organic Pigment</u>		15-25
C.I. Pigment Yellow 13	5102-83-0	
C.I. Pigment Red 57: 1	5281-04-9	
C.I. Pigment Blue 15: 3	147-14-8	
C.I. Pigment Blue 18	1324-77-2	
C.I. Pigment Black 7	1333-86-4	

SECTION. 3 PHYSICAL DATA

APPEARANCE ; Viscous Paste
COLOR ; Various
ODOR ; Acrylic Odor
MOLECULAR WEIGHT ; NE
PH ; NE
SPECIFIC GRAVITY ; 1.02-1.07 (25°C)
BOILING POINT ; NE
VAPOR DENSITY ; NE
VAPOR PRESSURE ; NE
SOLUBILITY IN WATER ; Insoluble

SECTION. 4 FIRE AND EXPROSION DATA

FLASH POINT ; 170°C (Open Air)
FLAMMABLE LIMITS / UPPER ; NE LOWER ; NE
EXTINGUISH MEDIA ; Water, Fog, Foam, Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES ; Keep out of smoke. Self contained breathing apparatus is recommended.
UNUSUAL FIRE AND EXPROSION HAZARDS ; NE

SECTION. 5 HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

INHALATION ; May cause respiratory irritation and dizziness.
SKIN ; May cause irritation, defatting, allergic contact dermatitis and sensitization.
EYE ; Will cause severe irritation.
INGESTION ; May cause gastrointentional irritation, nausea, vomitting and diarrhea.

EMERGENCY FIRST AID PROCEDURE

INHALATION ; Move to fresh air. Aid in breathing and get medical attention, if necessary.
SKIN ; Remove contaminated clothing and wash well with soap and water.
EYE ; Flush with plenty water immediatly for at least 15 min. and get medical attention.
INGESTION ; Drink a large quantity of water. If available, milk is better. Get medical attention.

SECTION. 6 REACTIVITY DATA

STABILITY ; Stable
CONDITION TO AVOID ; Heat, Spark, Open flame
INCOMPATIBILITY ; May react with strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS ; May evolve noxious fumes such as carbon oxide, nitrous oxide when involved in a fire burning.
HAZARDOUS POLYMERIZATION ; Not expected.

SECTION. 7 SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED AND SPILLED ; Wipe out and placed in a suitable covered container for disposal.
DISPOSAL METHOD ; Dispose in accordance with local, country, state and federal regulation.

SECTION. 8 PROTECTION MEASURES

RESPIRATION ; Use respirator, if necessary.
VENTILATION ; Use general and local exhaust ventillation.
SKIN ; Rubber gloves is recommended.
EYE ; Safety glasses is recommended.
OTHER ; Use apron, coverall and boots, if necessary.

SECTION. 9 SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTION IN HANDLING AND STORING ; Store in sealed container and keep away from high temperature,(40°C<) direct sunlight and excessive moisture.
AVERAGE SHELF LIFE ; 6 months or more

NE ; No Established.
