

MATERIAL SAFETY DATA SHEET

WATERLESS-PLATE OFFSET PROCESS-COLOR INK

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SECTION. 1 PRODUCT IDENTIFICATION

COMMON NAME ; Waterless-Plate Sheet-Fed Offset Printing Process-Color Ink series
PRODUCT NAME ; Waterless S Process - Yellow, Magenta, Cyan, Black

SECTION. 2 HAZARDOUS INGREDIENTS

COMPONENTS	CAS No.
Synthetic Resin	REGISTERED
Vegetable Oil	REGISTERED
Technical White Oil	8042-47-5
Benzene C4-C16 Alkyl Derivatives	68648-86-2
<u>Organic Pigment</u>	
Yellow Pigment Yellow 12	6358-85-6
Magenta Pigment Red 57: 1	5281-04-9
Cyan Pigment Blue 15:3	147-14-8
Black Carbon Black	1333-86-4

Generally Classified as Non Toxic

SECTION. 3 PHYSICAL DATA

APPEARANCE ; Viscous Paste
PERCENT VOLATILE WEIGHT ; $10 \pm 2\%$
SOLUBILITY IN WATER ; Insoluble
VAPOR PRESSURE ; NE
SPECIFIC GRAVITY ; $1.1 \pm .01$
BOILING POINT ; NE
VAPOR DENSITY ; NE

SECTION. 4 FIRE AND EXPROSION DATA

FLASH POINT; 265°F or Greater
FLAMMABLE LIMITS / UPPER; NE LOWER; NE
EXTINGUISH MEDIA; Use extinguishers (Carbon dioxide or dry chemical).
SPECIAL FIRE FIGHTING PROCEDURES; Water spray may be ineffective. Water may be used to cool containers to prevent pressure build up and possible auto ignition when exposed to extreme heat. If water is used, fog nozzles are preferable.
UNUSUAL FIRE AND EXPLOSION HAZARDS; Keep containers tightly closed. Isolate from heat and open flame. Closed containers may explode when exposed to extreme heat. Do not apply hot surfaces.

SECTION. 5 HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

INHALATION; Possible at elevated temperature.

SKIN; Not normally. This material may cause skin irritation after prolonged contact.

INGESTION; Not normally.

EMERGENCY FIRST AID PROCEDURE

SKIN; Wash affected area with water. Remove contaminated clothing.

EYE; Flush immediately with copious quantities of running water for at least 15 minutes. Take to a physician for definitive medical treatment if necessary.

SECTION. 6 REACTIVITY DATA

STABILITY ; Stable

INCOMPATIBILITY ; None

HAZARDOUS DECOMPOSITION PRODUCTS; None

HAZARDOUS POLYMERIZATION; Will not occur

SECTION. 7 SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED; Remove all sources of ignition (flames, hot surfaces, etc.) Avoid breathing in vapors. Ventilate area. Absorb with filter and/or dry powder and shovel up.

DISPOSAL METHOD; Dispose in accordance with local, state, and federal regulations.

SECTION. 8 PROTECTION MEASURES

RESPIRATION ; No need.

VENTILATION ; Normal local exhaust.

SKIN ; Protective rubber gloves.

EYE ; Use safety eyewear designed to protect.

OTHER ; Good housekeeping procedures. Wash hands before eating, drinking, smoking or using lavatory.

SECTION. 9 SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTION IN HANDLING AND STORING ; Product is flammable. But in normal conditions it is hardly possible to flame. Do not store in high temperature area or in areas of fire or open flame.

OTHER PRECAUTIONS: Do not take internally. Avoid prolonged contact with the skin. Prevent prolonged skin contact to contaminated clothing.

NE ; Not Established.