

MATERIAL SAFETY DATA SHEET

VERDISOL MULTI-PURPOSE, VMP SCREEN PRINTING INK, SOLVENT BASED

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UNDER OSHA'S HAZARD COMMUNICATION STANDARD, WHERE COMPLEX MIXTURES HAVE SIMILAR HAZARDS & CONTENTS, THE MANUFACTURER MAY PREPARE ONE MATERIAL SAFETY DATA SHEET TO APPLY TO ALL OF THESE SIMILAR MIXTURES. THIS DOCUMENT APPLIES TO ALL COLORS AND SPECIALS IN THIS INK LINE. FOR SCREEN PRINTING INKS AS REQUIRED UNDER CFR 1910.1200(g)

==== **SECTION I - PRODUCT IDENTIFICATION**

PRODUCT CODE: VERSISOL MULTI-PURPOSE
LABEL IDENTITY: VMP SCREEN PRINTING INK
PRODUCT CLASS: SOLVENT BASED SCREEN PRINTING INK

==== **SECTION 2 – HAZARDOUS INGREDIENTS**

COMMON NAME	CAS #	RECOMMENDED EXPOSURE LIMITS	
		ACGIH TLV-TWA	OSHA-PEL
SOLVENT	(763-69-9)	N/D*	N/D*
SOLVENT	(123-42-2)	50 PPM	50 PPM
SOLVENT	(108-94-1)	50 PPM	25 PPM
RESIN POWDER	(TS)	N/D	N/D
RESIN POWDER	(TS)	N/D	N/D
RESIN POWDER	(TS)	N/D	N/D
FLOW ADDITIVE	(63148-62-9)	N/D	N/D
EPOXIDIZED OIL	(8013-07-8)	N/D	N/D
PIGMENTS	(UKN)	15.0mg/m3	DUST NUISANCE N/A

* EASTMAN KODAK COMPANY RECOMMENDS AN EXPOSURE LIMIT OF: 50 PPM AS AN 8 HOUR TWA & 100 PPM AS A 15 MINUTE STEL.

BASED ON INFORMATION FROM OUR SUPPLIERS, THIS PRODUCT IS MADE FROM MATERIALS THAT CONTAIN LESS THAN 0.06% LEAD. IF NECESSARY, WRITTEN CERTIFICATE OF LEAD CONTENT AND/OR OTHER HEAVY METALS CAN BE OBTAINED FROM AN INDEPENDENT LABORATORY.

=== **SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)**

Boiling Range: 155 Deg F
WT/GAL LBS (Specific Gravity): FROM 8.06 TO 11.80
Evaporation Rate (BuAst-1): 0.15
Vapor Pressure (mm Hg 20C.): 1.11 mm Hg
Vapor Density (Air = 1): 5.0
Solubility in Water : NEGLIGIBLE
Reactivity in Water: NONE

Flash Point: 115 Deg F
Method Used: TCC – NOTE: APPROXIMATELY
Flammable Limits in Air % by Volume- LEL- 1.0 UEL- 6.5
ACGIH Threshold Limit Value (TLV) in PPM): N/D
OSHA Permissible Exposure Level (PEL IN PPM): N/D

Extinguisher Media: ALCOHOL FOAM, CO2, OR DRY CHEMICAL

Special Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING.

Unusual Fire & Explosion Hazards: NOT KNOWN

VOC lb/gal: VPM-8018 BLACK: 5.53 VPM-8112 WHITE: 5.46
VPM-8022 FIRE RED: 5.28

CLASS: 3, UN1210

PACKING GROUP: 111

HMIS RATING: HEALTH- 2 FLAMMABILITY-2 REACTIVITY- 0

===== SECTION 4 – PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: STABLE

Conditions to Avoid
KEEP AWAY FROM HEAT
& OPEN FLAME.

Hazardous Decomposition Products:
COMBUSTION WILL PRODUCE CARBON DIOXIDE AND POSSIBLE CARBON MONOXIDE.

Hazardous Polymerization:
WILL NOT OCCUR

===== SECTION 5 – HEALTH HAZARD

Signs & Symptoms Of Exposure-

Inhalation: INHALATION OF EXCESSIVE CONCENTRATIONS OF VAPORS OR MISTS MAY CAUSE IRRITATION OF NOSE AND THROAT, DIZZINESS, DROWSINESS, FATIGUE, LOSS OF COORDINATION. CAN AGGRAVATE ASTHMA-LIKE CONDITION.

Ingestion: MAY CAUSE MINOR GASTROINTESTINAL DISCOMFORT, DROWSINESS, LOSS OF COORDINATION, DIZZINESS, FATIGUE.

Skin: SOME IRRITATION. OVEREXPOSURE CAN CAUSE DEFATTING & DERMATITIS.

Eye Contact: MAY CAUSE EYE IRRITATION (REDNESS, TEARING, BURNING) IF VAPORS PRESENT IN EXCESS AMOUNT.

===== SECTION 6 - SPECIAL PROTECTION INFORMATION

Emergency & First Aid Procedures:

- 1. Eye Contact:** FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES; GET MEDICAL ATTENTION.
- 2. Skin Contact:** WASH WELL W/SOAP & WATER; REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE.
- 3. Inhalation:** IF IRRITATION OF NOSE AND/OR THROAT DEVELOPS, REMOVE VICTIM FROM EXPOSURE SOURCE INTO FRESH AIR.
- 4. Ingestion:** IF VICTIM IS CONSCIOUS, INDUCE VOMITING- GIVING TWO GLASSES OF WATER. GET PROMPT MEDICAL ATTENTION.

Respiratory Protection: AN APPROVED NIOSH RESPIRATOR FOR ORGANIC VAPOR & MIST MUST BE WORN IF EXPOSURE IS LIKELY TO EXCEED RECOMMENDED EXPOSURE LIMITS.

Ventilation: GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS DURING NORMAL HANDLING.

Protective Gloves: IF PROLONGED OR REPEATED CONTACT MAY OCCUR, IMPERVIOUS GLOVES ARE RECOMMENDED.

Eye Protection: SAFETY GLASSES ARE RECOMMENDED

Other Protective Clothing or Equipment: NONE RECOMMENDED.

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SECTION 7 – SPILL & LEAK PROCEDURES

Storage/Handling: STORE AWAY FROM EXCESSIVE HEAT OR OPEN FLAME. USE SPARK-PROOF TOOLS.

In Case of Release/Spill: ELIMINATE ALL IGNITION SOURCES. USE SPARK-PROOF TOOLS. ADD ABSORBENT MATERIAL, TRANSFER TO APPROPRIATE CONTAINER.

Water Disposal: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL LAWS.

DISCLAIMER:

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OTHER INFORMATION:

SOME BLUES, GREENS & COLORS THAT CONTAIN THEM CONTAIN COPPER COMPOUNDS
(COPPER COMPOUNDS: 6% BY WEIGHT)
(COPPER CONTENT: 0.90% BY WEIGHT)