

MATERIAL SAFETY DATA SHEET

To comply with OSHA Hazard Communications Standard 29 CFR 1910.1200

Date of last revision: 10/01/2011

MANUFACTURER: TOTAL INK SOLUTIONS

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DATE PRINTED:  
MSDS ON-DEMAND REQUEST

ITEM NUMBER: MSDS DOCUMENT: PMC SERIES D

SECTION I - IDENTITY

PRODUCT CODE: PMC SERIES

PRODUCT NAME: PMC SERIES

PANTONE MATCHING PLASTISOL

CLASS: PLASTISOL SCREEN PRINTING INK

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0
PROTECTIVE EQUIP:	B

The following colors and products do not contain lead or chromate pigments:

PMC816 PMC817 PMC818 PMC819 PMC820 PMC821 PMC822 PMC823  
PMC824 PMC825 PMC826 PMC827 PMC828 PMC829 PMC830 PMC831

SECTION II - HAZARDOUS INGREDIENTS

Substances listed in the Ingredients Section are only those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication Standard.

Hazardous Components	% By Weight	ACGIH-TLV Mg/M3	PPM	C.A.S Reg. No.	OSHA PEL
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Proprietary Formula

No Hazardous ingredients listed

No Phthalate contained

SECTION III - PHYSICAL DATA

BOILING PT (Range Deg. F): 720	SPECIFIC GRAVITY (H2O=1): 0.984
VAPOR PRESSURE (mmHg@20C): <0.0001	MELTING POINT: NDA
VAPOR DENSITY (AIR=1): 13.7	EVAP RATE (BUTYL ACETATE=1): NA
% VOLATILE BY VOLUME: 0-0.2	
SOLUBILITY IN WATER: Insoluble	
PHOTOCHEMICALLY REACTIVE SOLVENT: NA	
APPEARANCE AND ODOR: Colored Paste - Mild Odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (DEG F): (SETA FLASH) 435 FLAMMABLE LIMITS: LEL- NA UEL- NA  
EXTINGUISHING MEDIA: Water fog, alcohol foam, carbon dioxide (CO2), dry chemical.  
SPECIAL FIREFIGHTING PROCEDURES: Use self contained breathing apparatus. Wear protective clothing.  
UNUSUAL FIRE AND EXPLOSION HAZARD: None

SECTION V - REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: Extreme heat  
INCOMPATIBILITY (MTL'S TO AVOID): Oxidizing agents, strong acids, strong bases, chlorine.  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon, hydrochloric acid.  
HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION VI - HEALTH HAZARD DATA  
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ROUTE(S) OF ENTRY:           INHALATION? No   SKIN? Yes            INGESTION? No  
CARCINOGENICITY: NTP? No            IARC MONOGRAPHS? No    OSHA REGULATED? No  
HEALTH HAZARDS:  
Eyes: Liquid or vapors may cause slight irritation.  
Skin: Prolonged contact may cause dermatitis.  
Inhalation: May cause minor respiratory irritation if misted or vaporized by high temperatures.  
Ingestion: May cause minor gastrointestinal irritation and laxative effect if large amount is ingested.  
SIGNS AND SYMPTOMS OF EXPOSURE:  
Eyes: Redness, stinging sensation.  
Skin: Redness, dryness.  
Inhalation: Nose and throat irritation.  
Ingestion: Abdominal discomfort, diarrhea.  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NE  
EMERGENCY AND FIRST AID PROCEDURES:  
Eyes: Flush thoroughly with water.  
Skin: Wash thoroughly with soap and water.  
Inhalation: Remove from exposure.  
Ingestion: Drink one or two glasses of water to dilute. If large quantity is swallowed, contact a physician.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with sand, vermiculite or other inert absorbant and place in containers for disposal. Keep out of sewers, streams, etc.  
WASTE DISPOSAL METHOD: Incinerate in accordance with all local, state and federal regulations. Not a hazardous waste.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid prolonged breathing mist or vapor and contact with skin. Do not take internally. Avoid storage at temperatures above 130 Deg. F.  
OTHER PRECAUTIONS: None

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SECTION VIII - CONTROL MEASURES  
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RESPIRATORY PROTECTION: Not normally required.  
PROTECTIVE GLOVES: Gloves impervious to solvents (Neoprene, nitrile rubber).  
EYE PROTECTION: Safety glasses with side shields.  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station.

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SECTION IX - ADDITIONAL INFORMATION  
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----Note: NA - Not applicable NDA - No data available----  
NE - Not established

VOC (VOM CONTENT)

Certain regulations require the daily recording of the amount and VOC (Volatile Organic Compound/Material) of all coating and accessory materials used. The VOC content of each product is shown on the label and may be expressed in grams per liter (g/l) or pounds per gallon (lb/ga). To convert grams per liter to pounds per gallon, divide g/l by 120. To convert pounds per gallon to grams per liter, multiply lb/ga by 120.

The value recorded must be the VOC content as applied. Since many products must be mixed with others for application, it is necessary to calculate the combined VOC content. To calculate the combined VOC content, multiply the VOC content of each component in the mixture by its percentage in

the mixture, add all the values thus obtained, and divide by 100. All VOC values must be in same units - all lb/ga or all g/l.

"The data in this Material Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or process. The information represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Therefore, although reasonable care has been taken in the preparation of such information, CRS International Co. Inc. extends no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability or such information for application to purchaser's intended purposes or for consequences of its uses."