MSDS# XG - US

 SERICOL, INC.
 HMIS RATINGS

 20 WEST 14TH AVENUE
 HEALTH------2

 NORTH KANSAS CITY, MISSOURI 64116
 FLAMMABILITY----2

 (816) 474-0650
 REACTIVITY-----0

For screen printing inks as required under 29 CFR 1910.1200(q).

UNDER OSHA'S HAZARD COMMUNICATION STANDARD, WHERE COMPLEX MIXTURES HAVE SIMILAR HAZARDS AND 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.

EMERGENCY PHONE NUMBER (816) 587-8178

PREPARER: CRAIG POGGENPOHL DATE OF PREPARATION REGULATORY COMPLIANCE MGR. REVISED 08/27/03/CP

REVISIONS: SECTION II.

SECTION I--PRODUCT IDENTIFICATION

PRODUCT CODE : XG

LABEL IDENTITY: PLASTIJET XG SERIES

PRODUCT CLASS: SOLVENT EVAPORATIVE SCREEN INK

SECTION IT--HAZARDOUS INCREDIENTS

SECTION IIHAZARDOUS INGREDIENTS					
(CAS REGISTRY #)	PERCENT BY VEIGHT		ED EXPOSURE 5 (PPM)1 NA OSHA PEL	VAPOR PRESSURE (mm Hg @ 20 C)1	
DIACETONE ALCOHOL ! (00123-42-2)!	5-10	50	50	0.8	
CYCLOHEXANONE ! (00108-94-1)!	5-10	203	50	3.4	
ETHYL 3-ETHOXYPROPIONATE (00763-69-9)!	35-40	502	NE	0.7	
SOLVENT NAPHTHA LT AROM! (64742-95-6)!	3-7	502	NE	2.7	
1,2,4-TRIMETHYLBENZENE ! (00095-63-6)!	<3	25	NE	2.7	
CARBON BLACK4 (1333-86-4)	2-7	! 3.5mg/m3 	3.5mg/m3 !	NA !	
LEAD CHROMATE5(7758-97-6)		!0.012mg/m3! !0.05mg/m3!	! !	NA.	

NA - NOT APPLICABLE NE - NOT ESTABLISHED UKN - UNKNOWN 1UNLESS NOTED OTHERWISE, THE UNITS ARE PPM AND mm Hg @ 20 C,

RESPECTIVELY, FOR EXPOSURE LIMITS AND VAPOR PRESSURES.

2RECOMMENDED BY MANUFACTURER.

3SKIN ABSORPTION MAY CONTRIBUTE TO THE OVERALL ABSORPTION OF THIS MATERIAL. APPROPRIATE MEASURES SHOULD BE TAKEN TO PREVENT ABSORPTION SO THAT THE TLV

AND/OR PEL ARE NOT INVALIDATED.

4INKS CONTAINING CARBON BLACK: XG-301 XG-SB XG-HTBK XG-HTBKT.

5INKS CONTAINING LEAD CHROMATE (SOME SPECIALS MAY NOT BE LISTED): XG-100 XG-110 XG-120 XG-130 XG-140 XG-150 XG-220 XG-233.

SECTION III -- PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING RANGE: 293-342 DEG F. @ 760 mmHq.

DENSITY: 8.35 TO 11.75 LB./GAL.

VOC CONTENT OF MATERIAL: 50.0-70.0 % BY WEIGHT OR 600-670 GRAMS PER LITER. VOC CONTENT OF COATING LESS WATER AND LESS EXEMPT SOLVENTS: 600-670 G/L.

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

APPEARANCE AND ODOR: MOBILE LIQUID, VARIOUS COLORS, SWEET ETHER-LIKE ODOR.

SECTION IV -- PHYSICAL HAZARD DATA

FLAMMABILITY CLASSIFICATIONS: OSHA: CLASS II DOT: COMBUSTIBLE LIQUID CLOSED CUP FLASH POINT: >105 F. EXPLOSIVE LIMITS: UNKNOWN

EXTINGUISHING MEDIA: "CLASS B" FIRE EXTINGUISHERS USED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

"ALCOHOL" FOAM CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE OR EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAMES. CLOSED CONTAINERS MAY RUPTURE OR EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CONSTITUTE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

SPECIAL FIREFIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT IS RECOMMENDED TO PROTECT FIRE FIGHTERS FROM ANY HAZARDOUS DECOMPOSITION PRODUCTS.

WATER MAY BE UNSUITABLE FOR USE ON BURNING LIQUIDS. IF WATER MUST BE USED, FOG NOZZLES ARE HIGHLY PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO-IGNITION, EXPLOSION, OR RUPTURE WHEN EXPOSED TO EXTREME HEAT.

SECTION V -- EMERGENCY AND FIRST-AID PROCEDURES

PRIMARY ROUTES OF ENTRY ARE DERMAL AND INHALATION.

FOR SWALLOWING: DRINK TWO GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY. BE PREPARED TO PROVIDE THE ATTENDING PHYSICIAN WITH A COPY OF THIS DOCUMENT.

FOR SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH THOROUGHLY WITH MILD SOAP AND WARM WATER. CONSULT A PHYSICIAN IF THERE IS ANY PERSISTING IRRITATION.

FOR INHALATION: REMOVE VICTIM TO A WELL VENTILATED AREA. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS REQUIRED. TREAT SYMPTOMATICALLY AND CONSULT PHYSICIAN.

FOR EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST FIFTEEN MINUTES. CONSULT PHYSICIAN FOR MEDICAL TREATMENT, IF NECESSARY.

SPECIAL NOTES TO ATTENDING PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT CONTROL OF THE SYMPTOMS AND THE CLINICAL CONDITION.

SECTION VI -- SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE EFFECTS:

SWALLOWING: MAY CAUSE HEADACHES, NAUSEA, VOMITING, DIZZINESS, IRRITATION OF THE DIGESTIVE TRACT. SIGNS OF NERVOUS SYSTEM DEPRESSION (E.G., DROWSINESS, DIZZINESS, LOSS OF COORDINATION, AND FATIGUE). POSSIBLE KIDNEY DAMAGE MAY RESULT FROM INGESTION OF LARGE QUANTITIES OF MATERIAL. ASPIRATION HAZARD - THIS MATERIAL CAN ENTER LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND DAMAGE.

SKIN ABSORPTION: PROLONGED OR WIDESPREAD CONTACT WITH SKIN MAY LEAD TO ABSORPTION OF HARMFUL AMOUNTS OF MATERIAL WITH ACCOMPANYING SIGNS AND SYMPTOMS OF TOXICITY AS DESCRIBED FOR SWALLOWING.

INHALATION: VAPORS ARE IRRITATING TO EYES, NOSE AND RESPIRATORY TRACT. OVEREXPOSURE MAY RESULT IN HEADACHE, NAUSEA, VOMITING, SIGNS OF NERVOUS SYSTEM DEPRESSION AND ANEMIA. VAPORS HAVE AN OBJECTIONABLE ODOR.

SKIN CONTACT: MAY CAUSE SLIGHT IRRITATION WITH PROLONGED CONTACT. PROLONGED AND REPEATED OVEREXPOSURE MAY RESULT IN REDNESS, BURNING, DRYING AND CRACKING.

EYE CONTACT: CAUSES IRRITATION, BURNING, TEARING, REDNESS AND SWELLING.

MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY OVEREXPOSURE: LUNG CONDITIONS, SENSITIZATIONS, OR ALLERGIES, DERMATITIS.

CHRONIC EFFECTS: BASED ON ANIMAL STUDIES, OVEREXPOSURE TO THIS MATERIAL MAY CAUSE LIVER AND KIDNEY INJURY .

INKS CONTAINING LEAD CHROMATE:

LEAD CHROMATE IS SUSPECTED TO CAUSE LUNG CANCER AND IS LISTED BY THE NATIONAL TOXICOLOGY PROGRAM (NTP) AND THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC).

CARCINOGENICITY - LEAD CHROMATE: NTP? YES IARC? YES OSHA? NO

HEALTH EFFECTS OF OVEREXPOSURE TO LEAD:

PROLONGED OR REPEATED INHALATION AND INGESTION, SUCH AS FROM POOR HYGIENE, HOUSEKEEPING OR HANDLING PRACTICES, CAN RESULT IN LEAD POISONING.

ACUTE EFFECTS: MAY CAUSE ACUTE ENCEPHALOPATHY WHICH DEVELOPS QUICKLY TO SEIZURES, COMA, AND DEATH FROM CARDIORESPIRATORY ARREST.

CHRONIC EFFECTS: CAN CAUSE LOSS OF APPETITE, METALLIC TASTE IN THE MOUTH, ANXIETY, CONSTIPATION, NAUSEA, PALLOR, EXCESSIVE TIREDNESS, WEAKNESS,

INSOMNIA, HEADACHE, NERVOUS IRRITABILITY, MUSCLE AND JOINT PAIN OR SORENESS, FINE TREMORS, NUMBNESS, DIZZINESS, HYPERACTIVITY AND COLIC. LEAD COLIC MAY CAUSE SEVERE ABDOMINAL PAIN. OVEREXPOSURE CAN ALSO CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM AND THE BRAIN (ENCEPHALOPATHY), KIDNEY DISEASE, REPRODUCTIVE TOXICITY IN BOTH MEN AND WOMEN, BLOOD-FORMING SYSTEM DISORDERS AND ULTIMATELY ANEMIA. REFERENCE 29 CFR 1910.1025 FOR MORE INFORMATION ON LEAD EXPOSURE.

ADDITIONAL KNOWN HEALTH HAZARDS:

REPORTS HAVE ASSOCIATED PROLONGED AND REPEATED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

SECTION VII -- REACTIVITY DATA

THIS MIXTURE IS STABLE AND HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS, STRONG BASES, STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, VARIOUS HYDROCARBONS, METHYL METHACRYLATE AND N-BUTYL METHACRYLATE

CONDITIONS TO AVOID: EXTREME TEMPERATURES, SPARKS, OPEN FLAMES OR ANY OTHER IGNITION SOURCES.

SECTION VIII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: USING NON-SPARKING TOOLS, PLACE LEAKING CONTAINERS IN A WELL VENTILATED AREA. AVOID BREATHING VAPORS. ELIMINATE ALL SOURCES OF HEAT, SPARKS, OR IGNITION.

NOTIFY PROPER AUTHORITIES IF PUBLIC WATERS OR SEWERS ARE CONTAMINATED.

WASTE DISPOSAL METHOD: AS A HAZARDOUS WASTE, THIS MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES. INQUIRE OF YOUR LOCAL ENVIRONMENTAL AGENCIES FOR THE EXACT LEGAL REQUIREMENTS IN YOUR AREA. REFER TO SECTIONS IV, V, VI, VII AND IX OF THIS DOCUMENT BEFORE ATTEMPTING ANY CLEANUP.

SECTION IX -- SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: WHERE CONCENTRATIONS IN AIR MAY EXCEED THE LIMITS GIVEN IN SECTION II AND ENGINEERING, WORK PRACTICE OR OTHER MEANS OF EXPOSURE REDUCTION ARE NOT ADEQUATE, NIOSH/MSHA APPROVED RESPIRATORS MAY BE NECESSARY TO PREVENT OVEREXPOSURE.

VENTILATION REQUIREMENTS: LOCAL EXHAUST RECOMMENDED WHEN APPROPRIATE TO CONTROL EXPOSURE TO MIST OR AEROSOLS. GENERAL EXHAUST IS NORMALLY ADEQUATE TO MINIMIZE EXPOSURE TO VAPORS.

PROTECTIVE GLOVES: RUBBER OR NEOPRENE TO MINIMIZE SKIN CONTACT. EYE PROTECTION: SAFETY GOGGLES OR FULL FACE SHIELD. HYGIENIC SAFETY PRACTICES: WASH HANDS BEFORE EATING, USING TOBACCO PRODUCTS, OR USING THE WASHROOM. TOBACCO AND FOOD SHOULD BE CONSUMED IN DESIGNATED AREAS ONLY.

ADDITIONAL SAFETY EQUIPMENT: IMPERMEABLE APRONS AND BOOTS. SAFETY SHOWER AND EYE BATH SHOULD BE MADE AVAILABLE.

SPECIAL HANDLING INSTRUCTIONS FOR INKS CONTAINING LEAD CHROMATE:

OCCUPATIONAL EXPOSURE TO LEAD CHROMATE IN OUR PRODUCTS IS UNLIKELY. HOWEVER, SANDING, BLASTING, OR ABRADING OF THE DRIED COATING CAN GENERATE HARMFUL DUST OR PARTICLES IF INHALED. IT IS RECOMMENDED THAT YOU WEAR A PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) WHILE PERFORMING ANY OF THE ABOVE FUNCTIONS.

REFERENCE 29 CFR 1910.1025 FOR MORE INFORMATION ON LEAD EXPOSURE.

SECTION X -- SPECIAL PROCEDURES

TRANSPORTATION, STORAGE, AND HANDLING: AVOID CONDITIONS LISTED IN SECTION VII. AVOID PROLONGED STORAGE AT TEMPERATURES IN EXCESS OF 100 F.

OTHER PRECAUTIONS: PROTECT AGAINST THE INHALATION OF DUST OR PARTICLES GENERATED BY SANDING, BLASTING, OR ABRADING OF THE DRIED COATING.

SECTION XI -- DISCLAIMER

SERICOL, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OR RELIABILITY OF INFORMATION CONTAINED HEREIN, EXCEPT THAT SUCH INFORMATION IS, TO THE BEST OF SERICOL'S KNOWLEDGE AND BELIEF, ACCURATE AS OF THE DATE INDICATED ON THIS DOCUMENT. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

SECTION XII -- CUSTOMER'S OBLIGATIONS

SERICOL INC. URGES THE CUSTOMER RECEIVING THIS MATERIAL SAFETY DATA SHEET TO STUDY IT CAREFULLY TO BECOME AWARE OF HAZARDS, IF ANY, OF THE PRODUCTS INVOLVED. IN THE INTEREST OF SAFETY, YOU SHOULD, (1) NOTIFY YOUR EMPLOYEES, AGENTS, AND CONTRACTORS OF THE INFORMATION ON THIS SHEET, (2) FURNISH A COPY TO EACH OF YOUR CUSTOMERS FOR THIS PRODUCT, AND (3) REQUEST YOUR CUSTOMERS TO INFORM THEIR EMPLOYEES, CUSTOMERS, AND AGENTS, AS WELL.

SECTION XIII -- REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

THIS PRODUCT CONTAINS A TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE ANNUAL REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

CONTAINS: 1,2,4-TRIMETHYLBENZENE

CAS# 95-63-6 <3 % BY WEIGHT

INKS CONTAINING LEAD CHROMATE:

LEAD COMPOUNDS: 17.5 % MAXIMUM BY WEIGHT. (LEAD CONTENT: 12.0 % MAXIMUM BY WEIGHT)

CHROMIUM COMPOUNDS: 17.5 % MAXIMUM BY WEIGHT. (CHROMIUM CONTENT: 3.0 % MAXIMUM BY WEIGHT)

THIS NOTIFICATION MUST NOT BE DETACHED FROM THE MATERIAL SAFETY DATA SHEET (MSDS) AND ANY COPYING AND REDISTRIBUTION OF THE MSDS SHALL INCLUDE COPYING AND REDISTRIBUTION OF THE NOTICE ATTACHED TO COPIES OF THE MSDS SUBSEQUENTLY REDISTRIBUTED.

STATE OF CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65): FOR PRODUCTS CONTAINING LEAD CHROMATE PIGMENTS:

LEAD IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND REPRODUCTIVE TOXICITY.

CHROMIUM (HEXAVALENT COMPOUNDS) IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

PLASTIJET XG SCREEN INKS

VOLATILE ORGANIC COMPOUND CONTENT (VOC)

	1	1	,	•	,
BY WT. ! (LB.) ! PER GAL ! PER LITRE!		: ! % VOC	: ! TNK WPG	I T.B. VOC	: GRAMS VOCI
	PRODUCT DESCRIPTION				
XG-066 SMS YELLOW RS 66 8.42 5.52 662 XG-100 PRIMROSE 60.11 9.23 5.55 666 XG-101 LL PRIMROSE 60.49 8.65 5.23 627 XG-110 LEMON 60.79 9.12 5.54 665 XG-111 LL LEMON 62.79 8.45 5.31 637 XG-114 SMS ORANGE 63 8.54 5.41 650 XG-120 MED YELLOW 56.54 9.67 5.47 656 XG-121 SMS RED YS 65.5 8.44 5.53 663 XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-140 FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	IROBOCI BESCHIIIION	1	!	!	! !
XG-100 PRIMROSE 60.11 9.23 5.55 666 XG-101 LL PRIMROSE 60.49 8.65 5.23 627 XG-110 LEMON 60.79 9.12 5.54 665 XG-111 LL LEMON 62.79 8.45 5.31 637 XG-114 SMS ORANGE 63 8.54 5.41 650 XG-120 MED YELLOW 56.54 9.67 5.47 656 XG-121 SMS RED YS 65.5 8.44 5.53 663 XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-064 SMS YELLOW GS	62	8.63	5.36	643
XG-101 LL PRIMROSE 60.49 8.65 5.23 627 XG-110 LEMON 60.79 9.12 5.54 665 XG-111 LL LEMON 62.79 8.45 5.31 637 XG-114 SMS ORANGE 63 8.54 5.41 650 XG-120 MED YELLOW 56.54 9.67 5.47 656 XG-121 SMS RED YS 65.5 8.44 5.53 663 XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-151 LL SCARLET 61.55 8.55 5.38 645 XG-152 RUBINE 63.0 8.55 5.39 647 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 <td>XG-066 SMS YELLOW RS</td> <td>66</td> <td>8.42</td> <td>5.52</td> <td>662</td>	XG-066 SMS YELLOW RS	66	8.42	5.52	662
XG-110 LEMON 60.79 9.12 5.54 665 XG-111 LL LEMON 62.79 8.45 5.31 637 XG-114 SMS ORANGE 63 8.54 5.41 650 XG-120 MED YELLOW 56.54 9.67 5.47 656 XG-121 SMS RED YS 65.5 8.44 5.53 663 XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40	XG-100 PRIMROSE	60.11	9.23	5.55	666
XG-111 LL LEMON 62.79 8.45 5.31 637 XG-114 SMS ORANGE 63 8.54 5.41 650 XG-120 MED YELLOW 56.54 9.67 5.47 656 XG-121 SMS RED YS 65.5 8.44 5.53 663 XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03	XG-101 LL PRIMROSE	60.49	8.65	5.23	627
XG-114 SMS ORANGE 63 8.54 5.41 650 XG-120 MED YELLOW 56.54 9.67 5.47 656 XG-121 SMS RED YS 65.5 8.44 5.53 663 XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-180 WARM RED 64.01 8.42	XG-110 LEMON	60.79	9.12	5.54	665
XG-120 MED YELLOW 56.54 9.67 5.47 656 XG-121 SMS RED YS 65.5 8.44 5.53 663 XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-155 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-180 WARM RED 64.01 8.42	XG-111 LL LEMON	62.79	8.45	5.31	637
XG-121 SMS RED YS 65.5 8.44 5.53 663 XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53	XG-114 SMS ORANGE	63	8.54	5.41	650
XG-123 LL MED YELLOW 60 8.67 5.22 627 XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 \$-170 PURPLE 58.59 9.03 5.29 635 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-120 MED YELLOW	56.54	9.67	5.47	656
XG-127 SMS VIOLET 68 8.37 5.67 681 XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 J-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-121 SMS RED YS	65.5	8.44	5.53	663
XG-130 BRILL ORANGE 57.13 9.61 5.50 660 XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 J-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-123 LL MED YELLOW	60	8.67	5.22	627
XG-131 LL BRILL ORANGE 63.91 8.42 5.38 645 XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 \$-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-127 SMS VIOLET	68	8.37	5.67	681
XG-140 FIRE 57.18 9.35 5.35 642 XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-130 BRILL ORANGE	57.13	9.61	5.50	660
XG-141 LL FIRE 61.43 8.53 5.24 629 XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-131 LL BRILL ORANGE	63.91	8.42	5.38	645
XG-150 SCARLET 57.27 9.39 5.38 645 XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-140 FIRE	57.18	9.35	5.35	642
XG-151 LL SCARLET 61.55 8.55 5.26 631 XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-141 LL FIRE	61.43	8.53	5.24	629
XG-155 RUBINE 63.0 8.55 5.39 647 XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-150 SCARLET	57.27	9.39	5.38	645
XG-160 RHODAMINE 59.8 8.92 5.33 639 XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-151 LL SCARLET	61.55	8.55	5.26	631
XG-164 SMS RED 64 8.50 5.43 651 XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-155 RUBINE	63.0	8.55	5.39	647
XG-165 SMS MAGENTA 67 8.40 5.60 672 3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-160 RHODAMINE	59.8	8.92	5.33	639
3-170 PURPLE 58.59 9.03 5.29 635 XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-164 SMS RED	64	8.50	5.43	651
XG-175 CMS PURPLE 62.2 8.71 5.42 650 XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-165 SMS MAGENTA	67	8.40	5.60	672
XG-180 WARM RED 64.01 8.42 5.39 647 XG-185 CMS YELLOW 62.14 8.53 5.30 636	3-170 PURPLE	58.59	9.03	5.29	635
XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-175 CMS PURPLE	62.2	8.71	5.42	650
XG-185 CMS YELLOW 62.14 8.53 5.30 636	XG-180 WARM RED	64.01	8.42	5.39	647
	XG-185 CMS YELLOW	62.14	8.53	5.30	636
	XG-190 PROCESS BLUE	61.73	8.80	5.43	651

XG-200 PEACOCK	62.35	8.67	5.41	649
XG-205 REFLEX BLUE	63.48	8.54	5.42	650
XG-210 ULTRA	63.23	8.65	5.47	656
"G-215 CMS GREEN	61.45	8.86	5.44	653
G-220 EMERALD	57.05	9.51	5.43	651
XG-221 LL EMERALD	64.0	8.52	5.45	654
XG230 SMS BLUE	62.9	8.63	5.43	651
XG-233 DARK GREEN	60	9.21	5.58	669
XG-240 TSP PRIMROSE	65.12	8.38	5.46	655
XG-250 TSP MED YELLOW	64.59	8.39	5.42	650
XG-255 TSP GOLD	65.6	8.35	5.48	657
XG-260 STOP SIGN RED	63.82	8.43	5.38	645
XG-265 TSP DARK RED	62.29	8.50	5.29	635
XG-270 TSP ORANGE	64.56	8.40	5.42	650
XG-280 TSP GREEN	64.52	8.49	5.48	657
XG-290 TSP BLUE	64.45	8.42	5.43	651
XG-295 CMS VIOLET	64.91	8.40	5.45	654
XG-301 BLACK	63.62	8.51	5.41	649
XG-311 S.O. WHITE	49.17	10.65	5.24	629
XG-312 FLAT WHITE	43.26	11.74	5.08	609
XG-325 SMS GREEN	64	8.73	5.55	666
XG-600 V-GLO CHARTREUSE	45.35	9.2	4.17	500
XG-610 V-GLO ORG/YELLOW	45.35	9.2	4.17	500
XG-620 V-GLO ORANGE	46.76	9.146	4.28	513
XG-630 V-GLO ORG/RED	45.35	9.2	4.17	500
XG-640 V-GLO ROCKET RED	45.35	9.201	4.17	500
XG-650 V-GLO PINK	45.35	9.2	4.17	500
XG-660 V-GLO GREEN	50.98	8.985	4.58	550
XG-670 V-GLO BLUE	45.35	9.2	4.17	500
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PLASTIJET XG SCREEN INKS

VOLATILE ORGANIC COMPOUND CONTENT (VOC)

1		1	1	1 1
1	% VOC	! INK WPG	! LB. VOC	! GRAMS VOC!
PRODUCT DESCRIPTION !	BY WT.	! (LB.)	! PER GAL	! PER LITRE!
!		1	1	! !
XG-FP FLATTING PASTE	52.59	9.497	4.99	599
XG-GM XG GM GOLD METALLIC	56.5	7.95	4.49	539
XG-GRT GEL RETARDER	64	8.955	5.73	688
XG-HTB HT BLUE	64.59	8.51	5.50	660
XG-HTK HT BLACK	64.46	8.53	5.50	660
XG-HTR HT RED	63.35	8.55	5.42	650
XG-HTX HT EX BASE	65.39	8.48	5.55	666
XG-HTY HT YELLOW	63.35	8.54	5.41	649
XG-HTBT HT BLUE TONER	62.73	8.57	5.38	645
XG-HTKT HT BLACK TONER	62.29	8.61	5.36	643
XG-HTRT HT RED TONER	58.6	8.69	5.10	612
XG-HTYT HT YELL TONER	58.6	8.67	5.08	609
XG-MX/OP MIX/OP CLEAR	67	8.313	5.56	667
XG-RT RETARDER	100	8.299	8.299	996
XG-SB SHADING BLACK	67	8.42	5.65	678
XG-SM XG SM SILVER METALLIC	55.33	9.30	5.145	617
"G-SOP SATIN OP CLEAR	63.36	8.53	5.40	648
3-STH STYRENE THINNER	100	7.82	7.82	938
XG-TH THINNER	100	7.852	7.852	942
XG-TW TINTING WHITE	58.4	9.362	5.47	656
XGS21096 SP XG WHITE	50.40	10.65	5.37	644

. Revised 06/25/03/cdp

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