
 * MATERIAL SAFETY DATA SHEET *

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

FUJIFILM SERICOL USA, INC.
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HMIS RATINGS
 HEALTH-----1
 FLAMMABILITY-----1
 REACTIVITY-----0

EMERGENCY PHONE NUMBER PREPARER: CRAIG POGGENPOHL DATE OF PREPARATION
 (816) 587-8178 EHS MANAGER REVISED 01/08/08/CP

REVISIONS: SECTION III.

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

PRODUCT CODE: K90700
 PRODUCT NAME: FLOW AGENT SQP
 PRODUCT CLASS: SCREEN INK ADDITIVE

***** SECTION II--HAZARDOUS INGREDIENTS *****

COMMON NAME (CAS REGISTRY #)	RECOMMENDED EXPOSURE LIMITS (PPM) ¹		VAPOR PRESSURE (MM HG @ 20 C) ¹
	ACGIH TLV-TWA	OSHA PEL	
POLYDIMETHYLSILOXANE	NE	NE	<0.08
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.

***** SECTION III -- PHYSICAL AND CHEMICAL CHARACTERISTICS *****

BOILING POINT: <200 C.
 FREEZING POINT: <-60 C.
 SOLUBILITY IN WATER: INSOLUBLE.
 DENSITY IS 7.99 LB./GAL.
 VOC CONTENT OF MATERIAL: < 5 GRAMS PER LITER.
 VAPOR DENSITY (AIR = 1): NOT DETERMINED.
 EVAPORATION RATE: SLOWER THAN BUTYL ACETATE.
 APPEARANCE AND ODOR: COLORLESS, ODORLESS LIQUID.

***** SECTION IV -- PHYSICAL HAZARD DATA *****

FLAMMABILITY CLASSIFICATIONS: OSHA: CLASS III B DOT: NOT REGULATED
 TAG OPEN CUP FLASH POINT: 214 DEG.F. EXPLOSIVE LIMITS: NOT DETERMINED

EXTINGUISHING MEDIA: CARBON DIOXIDE, WATER, WATERFOG (OR SPRAY),
 DRY CHEMICAL, FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND
 PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE.

DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CONSTITUTE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

***** SECTION V -- EMERGENCY AND FIRST-AID PROCEDURES *****

PRIMARY ROUTES OF ENTRY ARE DERMAL.

FOR SWALLOWING: NO FIRST AID SHOULD BE NEEDED.

FOR INHALATION: NO FIRST AID SHOULD BE NEEDED.

FOR EYE CONTACT: IMMEDIATELY FLUSH WITH WATER.

FOR SKIN CONTACT: NO FIRST AID SHOULD BE NEEDED.

SPECIAL NOTES TO ATTENDING PHYSICIAN: TREAT SYMPTOMATICALLY.

***** SECTION VI -- SIGNS AND SYMPTOMS OF OVEREXPOSURE *****

ACUTE EFFECTS:

SWALLOWING: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC., SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

INHALATION: NO IRRITATION TO EYES AND RESPIRATORY PASSAGES. NO INJURY IS LIKELY FROM RELATIVELY SHORT EXPOSURES OF LESS THAN 8 HOURS.

SKIN ABSORPTION: NO DATA AVAILABLE.

SKIN CONTACT: A SINGLE PROLONGED EXPOSURE (24-48 HOURS) CAUSES NO KNOWN ADVERSE EFFECT.

EYE CONTACT: DIRECT EYE CONTACT MAY CAUSE TEMPORARY DISCOMFORT WITH MILD REDNESS AND DRYNESS SIMILAR TO WINDBURN.

MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY OVEREXPOSURE: NONE CURRENTLY KNOWN.

ADDITIONAL KNOWN HEALTH HAZARDS: NONE CURRENTLY KNOWN.

***** SECTION VII -- REACTIVITY DATA *****

THIS MIXTURE IS STABLE AND HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING MATERIAL CAN CAUSE REACTION.

HAZARDOUS DECOMPOSITION PRODUCTS: BURNING CAN PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, FORMALDEHYDE AND OXIDES OF SILICON.

CONDITIONS TO AVOID: NONE.

***** SECTION VIII -- SPILL OR LEAK PROCEDURES *****

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: COVER SPILLS WITH ABSORBANT AND REMOVE TO WASTE STORAGE.

WASTE DISPOSAL METHOD: THIS MATERIAL, WHEN DISCARDED, IS NOT A HAZARDOUS WASTE PER FEDERAL REGULATION, 40 CFR PART 261. DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL ORDINANCES FOR THE DISPOSAL OF INDUSTRIAL WASTES.

***** 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.

***** SECTION X -- SPECIAL PROCEDURES *****

TRANSPORTATION, STORAGE, AND HANDLING: NO SPECIAL PRECAUTIONS.

***** 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.

SARA TITLE III SECTION 313 INFORMATION: THIS PRODUCT DOES NOT CONTAIN TOXIC 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.

STATE OF CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF

MSDS# K90700

1986 (PROPOSITION 65): THIS PRODUCT DOES NOT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY.