

MSDS# XHR-FPB

FUJIFILM SERICOL USA, INC.  
20 WEST 14TH AVENUE  
NORTH KANSAS CITY, MISSOURI 64116  
(816) 474-0650

\*\*\*HMIS RATINGS\*\*\*  
HEALTH-----3  
FLAMMABILITY-----0  
REACTIVITY-----1

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\* MATERIAL SAFETY DATA SHEET \*  
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Complies with USDL Safety and Health Regulations, (29 CFR 1910.1200)

EMERGENCY PHONE NUMBER PREPARER: CRAIG POGGENPOHL DATE OF PREPARATION  
(816) 587-8178 REGULATORY COMPLIANCE MGR. REVISED 04/12/06/CP

REVISIONS: SECTION III.

SECTION I--PRODUCT IDENTIFICATION

PRODUCT CODE : XHR-FPB  
LABEL IDENTITY: HAZE REMOVER FAST 2 PACK "B"  
PRODUCT CLASS : SCREEN RECLAMATION CHEMICAL

SECTION II--HAZARDOUS INGREDIENTS

COMMON NAME (CAS REGISTRY #)	RECOMMENDED EXPOSURE LIMITS (PPM) <sup>1</sup>		VAPOR PRESSURE (mm Hg @ 20 C) <sup>1</sup>
	ACGIH TLV-TWA	OSHA PEL	
POTASSIUM HYDROXIDE C75245 (1310-58-3)	2 mg/m3 (CEILING)	NE	2
SODIUM HYDROXIDE C75282 (1310-73-2)	2 mg/m3 (CEILING)	2 mg/m <sup>3</sup>	13

NA - NOT AVAILABLE      NE - NOT ESTABLISHED      UKN - UNKNOWN

<sup>1</sup>UNLESS NOTED OTHERWISE, THE UNITS ARE PPM AND mm Hg @ 20 C,  
RESPECTIVELY, FOR EXPOSURE LIMITS AND VAPOR PRESSURES.

SECTION III -- PHYSICAL AND CHEMICAL CHARACTERISTICS

INITIAL BOILING POINT: 100 DEG.C.  
VAPOR DENSITY: UKN.  
SOLUBILITY IN WATER: INFINITE.  
VOC CONTENT OF MATERIAL: NONE.  
WATER CONTENT: APPROX. 50% BY WEIGHT.  
DENSITY: 12.60 LB./GAL.  
pH: APPROX. 13  
pH OF PART A AND PART B MIXED IN 1 TO 1 RATIO: APPROXIMATELY 12.5.  
EVAPORATION RATE (WATER = 1): 1  
APPEARANCE AND ODOR: CLEAR LIQUID, PRACTICALLY ODORLESS.

SECTION IV -- PHYSICAL HAZARD DATA

FLAMMABILITY CLASSIFICATIONS: OSHA: CLASS IIIB  
DOT HAZARD CLASS: CORROSIVE LIQUID.  
DOT SHIPPING DESCRIPTION: CAUSTIC ALKALI LIQUIDS, N.O.S. (POTASSIUM HYDROXIDE,  
SODIUM HYDROXIDE), 8, UN1719, PG II  
CLOSED CUP FLASH POINT: NOT APPLICABLE.

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LOWER AND UPPER EXPLOSIVE LIMIT: NO DATA FOUND.

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

WATER CO2 DRY CHEMICAL

UNUSUAL FIRE OR EXPLOSION HAZARDS: CONTACT WITH SOME METALS, PARTICULARLY MAGNESIUM, ALUMINUM, AND ZINC (GALVANIZED), CAN GENERATE EXPLOSIVE HYDROGEN GASE.

SPECIAL FIREFIGHTING PROCEDURES: WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT. WEAR A SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

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SECTION V -- EMERGENCY AND FIRST AID PROCEDURES  
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PRIMARY ROUTES OF ENTRY ARE INHALATION, SKIN ABSORPTION, SKIN CONTACT, INGESTION.

FOR SWALLOWING: GIVE PATIENT WATER OR MILK TO DRINK. 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 PERSON TO FRESH AIR. IF DISTRESS PERSISTS CALL A PHYSICIAN IMMEDIATELY.

FOR EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST FIFTEEN MINUTES. CONSULT PHYSICIAN.

SPECIAL NOTES TO ATTENDING PHYSICIAN: NONE.

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SECTION VI -- SIGNS AND SYMPTOMS OF OVEREXPOSURE  
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ACUTE EFFECTS:

SWALLOWING: MAY BE HARMFUL IF SWALLOWED. SYMPTOMS INCLUDE STOMACH AND INTESTINAL IRRITATION (NAUSEA, VOMITING, DIARRHEA), ABDOMINAL PAIN, AND VOMITING OF BLOOD.

SKIN ABSORPTION: PASSAGE OF THIS MATERIAL INTO THE BODY THROUGH THE SKIN IS POSSIBLE, AND MAY ADD TO TOXIC EFFECTS FROM BREATHING OR SWALLOWING.

INHALATION: MAY BE HARMFUL IF INHALED. SYMPTOMS MAY INCLUDE IRRITATION AND BURNS TO THE NOSE THROAT, AND RESPIRATORY TRACT.

SKIN CONTACT: CAN DAMAGE THE SKIN. SYMPTOMS INCLUDE REDNESS, BURNING, AND SWELLING OF SKIN, BURNS AND OTHER SKIN DAMAGE.

EYE CONTACT: CAN CAUSE PERMANENT EYE INJURY. SYMPTOMS INCLUDE STINGING, TEARING, REDNESS, AND SWELLING OF EYES. CAN INJURE THE CORNEA AND CAUSE BLINDNESS.

MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY OVEREXPOSURE: PREEXISTING DISORDERS OF THE FOLLOWING ORGANS (OR ORGAN SYSTEMS) MAY BE AGGRAVATED

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BY EXPOSURE TO THIS MATERIAL: SKIN, LUNG (FOR EXAMPLE, ASTHMA-LIKE CONDITIONS), LIVER, KIDNEY.

CHRONIC EFFECTS: POTASSIUM HYDROXIDE CAUSES HARM TO THE FETUS.

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 MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID CONTACT WITH AMINES, COMBUSTIBLE MATERIALS, COPPER, HALOGENS, METAL SALTS, ORGANIC MATERIALS, PEROXIDES, REACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM, STRONG ACIDS, STRONG ALKALIES, STRONG OXIDIZING AGENTS. CAN REACT WITH CHEMICALLY REACTIVE METALS SUCH AS ALUMINUM, ZINC, MAGNESIUM, COPPER, ETC., TO RELEASE HYDROGEN GAS WHICH CAN FORM EXPOSIVE MIXTURES WITH AIR.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

CONDITIONS TO AVOID: EXCESSIVE HEAT.

SECTION VIII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: DIKE TO CONTAIN SPILL. DO NOT ALLOW TO ENTER SEWERS OR STREAMS. CLEANUP USING INERT ABSORBANT MATERIAL. FLUSH SPILL AREA WITH WATER. NOTIFY PROPER AUTHORITIES IF PUBLIC WATERS OR SEWERS ARE CONTAMINATED WITH LARGE AMOUNTS.

WASTE DISPOSAL METHOD: DISCARDED MATERIAL IS A CORROSIVE HAZARDOUS WASTE. THE EPA HAZARDOUS WASTE NUMBER IS D002. CONSULT YOUR LOCAL, STATE AND FEDERAL AGENCIES FOR LAWS AND REGULATIONS GOVERNING THE DISPOSAL OF HAZARDOUS WASTE. AS WITH ALL PROCESS WASTEWATERS, NOTIFY PROPER AUTHORITIES BEFORE DISCHARGING INTO WATERWAYS OR SEWER SYSTEMS.

SECTION IX -- SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: WHERE CONCENTRATIONS IN AIR MAY EXCEED THE 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: CHEMICAL SAFETY GLASSES OR GOGGLES WHENEVER A SPLASH HAZARD IS PRESENTED.

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.

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SECTION X -- SPECIAL PROCEDURES

STORAGE AND HANDLING: AVOID CONDITIONS LISTED IN SECTION VII. STORE IN COOL DRY PLACE WITH CONTAINER FIRMLY CLOSED. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS MUST BE OBSERVED.

OTHER PRECAUTIONS: AVOID CONTACT WITH ACIDS AND ORGANICS.

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