

Thomas, March 31st

MAR 20 2009

846 Main St., Suite 3
Westbrook, Maine 04092
Telephone 207-591-7000
Facsimile 207-591-7329
info@stgermain.com

March 19, 2009

Mr. Rick Kaselis
Maine Department of Environmental Protection
Bureau of Remediation & Waste Management
Division of Licensing & Enforcement
17 State House Station
Augusta, Maine 04333



Re: Application for Abbreviated License
Maine College of Art
Baxter Building
619 Congress Street
Portland, Maine
St. Germain File No. 2550.1

46 D 29

Dear Rick:

On behalf of the Maine College of Art (MECA), St. Germain & Associates, Inc. (St. Germain) is pleased to provide the Maine Department of Environmental Protection (MEDEP) with the enclosed application for an abbreviated license for a precious metal recovery unit.

Also enclosed are two checks in the amounts of \$75.00 and \$100.00 for the application fee and annual fee. Please contact me if you have any questions.

Sincerely,

ST. GERMAIN & ASSOCIATES, INC.

Ellen M. Joyce
Ellen M. Joyce
Regulatory Specialist

enclosure

cc: Douglas Doering, MECA
Joseph Gray, City of Portland
Stephen Harris, City of Portland (under separate cover)

MAINE COLLEGE OF ART

**APPLICATION FOR ABBREVIATED LICENSE
FOR PRECIOUS METAL RECOVERY UNIT**

Prepared for:

**MAINE COLLEGE OF ART
BAXTER BUILDING
619 Congress Street
Portland, Maine 04104**

**March 2009
Project No. 2550.1**

Prepared by:

**St. Germain & Associates, Inc.
846 Main St., Suite 3
Westbrook, Maine 04092**

MAINE COLLEGE OF ART

APPLICATION FOR ABBREVIATED LICENSE
FOR PRECIOUS METAL RECOVERY UNIT

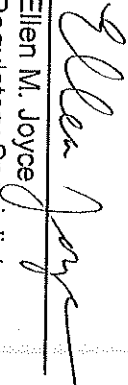
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Ellen M. Joyce
Regulatory Specialist



Mike Rioux, CHMM
Technical Review

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1.0 INTRODUCTION

The application (see Appendix A) for an Abbreviated License for Precious Metal Recovery Unit has been prepared for Maine College of Art (MECA) by St.Germain & Associates, Inc. in accordance with Maine Department of Environmental Protection (MEDEP) Bureau of Remediation and Waste Management regulation requirements. This application is submitted for the operation of a silver recovery unit (SRU) at MECA's Baxter Building located at 619 Congress Street in Portland.

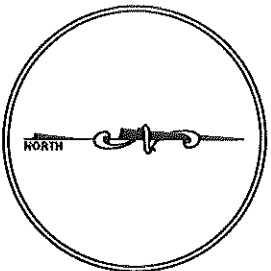
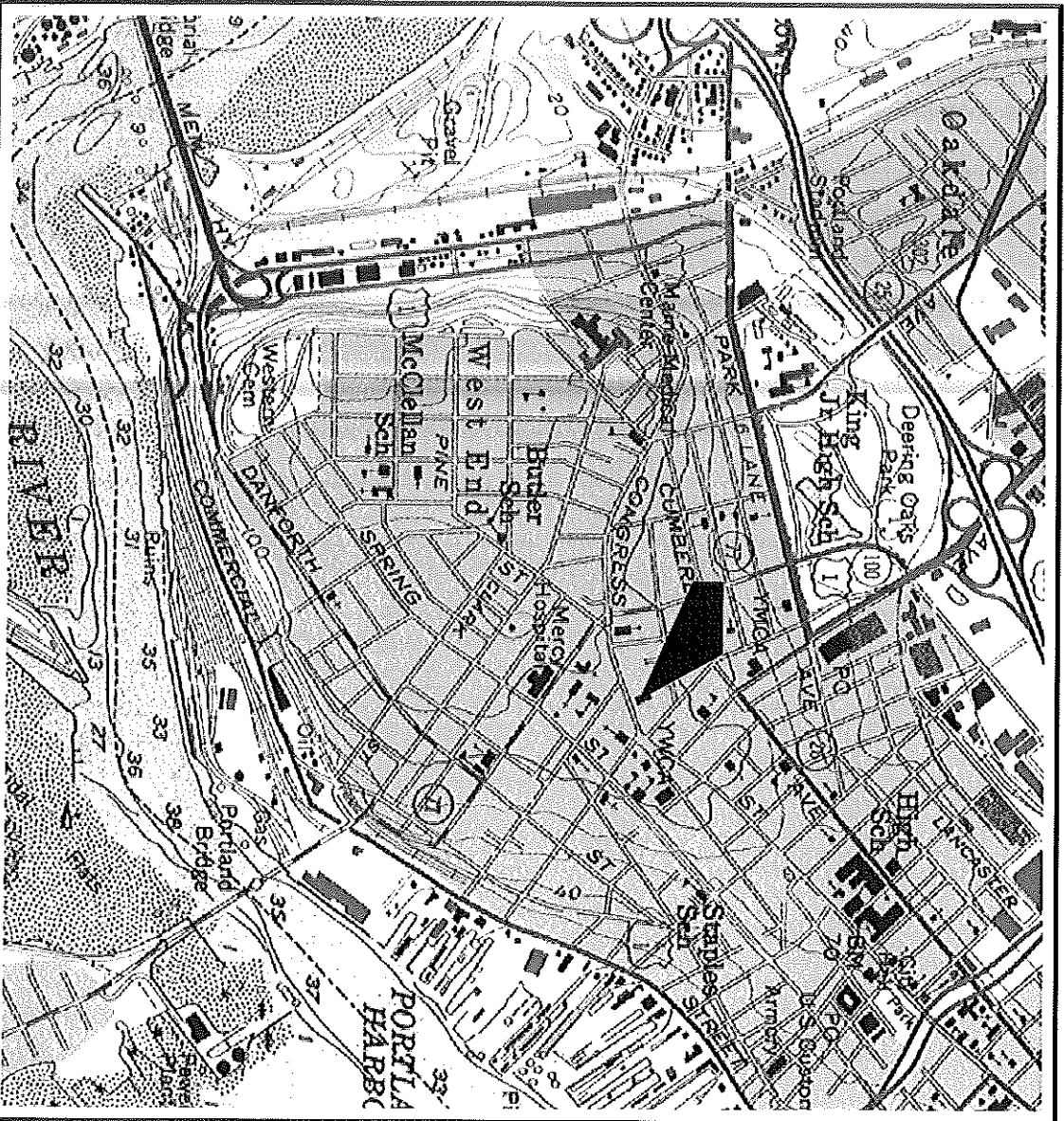
MECA currently has one licensed SRU, MEDEP license # O-000222-HT-A-N which expires April 5, 2010. The currently licensed unit is used to handle fixer from black and white photographic operations. MECA is submitting this application for a second unit to process chemistry from a color processing machine. MECA has used a color processing machine for several years, which was connected in a totally enclosed treatment system to a SRU. However, MECA has recently purchased a different color processing machine which cannot accommodate direct plumbing to the SRU. Therefore, MECA needs a license to operate the color SRU which had previously been operated as a totally enclosed treatment system.

The color processor can perform two operations, film processing and print making. The chemicals used for each process are similar, but not identical. For the purposes of this application, the waste generated from either operation will be referred to as 'waste chemistry'. The waste chemistry is a hazardous waste under the toxicity characteristic due to the presence of silver (EPA Hazardous Waste No. D011). Waste chemistry is not a listed waste and has no other hazardous waste characteristics. Material safety data sheets (MSDSs) for the chemicals used in the processing unit are found in Appendix B.

The SRU removes silver from the waste chemistry generated from student color film processing and printing operations. The Property Title and Public Notice are found in Appendices C and D respectively.

2.0 FACILITY DESCRIPTION

MECA is a small private art college with approximately 350 students and 100 faculty and staff who engage in a variety of activities which generate certain quantities of hazardous and non-hazardous waste. The campus is sited at various locations throughout Portland, Maine. The Baxter Building, located at 619 Congress Street, and the Porteous Building, located at 522 Congress Street, both in downtown Portland, generate hazardous waste. The Photography



SOURCE: USGS 7.5 MINUTE QUADRANGLE
 PORTLAND WEST, MAINE (MAPTECH, INC.)

FIGURE 1
SITE LOCATION MAP

MAINE COLLEGE OF ART BAXTER BUILDING 619 CONGRESS STREET PORTLAND, MAINE 04104	
PREPARED FOR	
MAINE COLLEGE OF ART BAXTER BUILDING 619 CONGRESS STREET PORTLAND MAINE 04104	
PROJECT: 2550.1	DATE: 10/25/04
SCALE: 1" = 1,500'	FILE: SITE LOCATION
ST. GERMAIN & ASSOCIATES, INC. 846 MAIN STREET - SUITE 3 WESTBROOK, MAINE 04092 (207) 591-7000 INFO@STGERMAIN.COM	



department, located in the basement of the Baxter Building, generates spent photographic fixer and waste chemistry during photographic developing and printmaking operations. Spent fixer and waste chemistry, both hazardous wastes due to silver, are the only hazardous wastes generated on site. Figure 1 illustrates the location of the Baxter Building in Portland, Maine.

3.0 WASTE CHEMISTRY SOLUTION

Film processing and print making processes each require a developer and two bleach solutions. Developer causes a reaction between dyes and silver contained in the film or paper to form an image. Bleach removes unexposed silver from the film or paper. In effect, the bleach neutralizes the further development of the negative or paper. Once the negative or paper is treated, it can be exposed to light. The developer and bleach chemicals are combined during the process resulting in waste chemistry which is classified as a hazardous waste because it contains the unexposed silver that is removed from the film or paper in leachable concentrations that exceed the regulation limit of 5 mg/l, as determined by the toxicity characteristic leachate procedure.

The processing unit also contains a one gallon water bath, which is the last step in the process for film or paper. The water bath can contain small quantities of silver that remain on the paper after the two bleach processes. Therefore, MECA will also treat the water bath in the SRU. The water bath will be emptied into the SRU periodically by the department's technician.

3.1 Waste Chemistry Generation Rates

MECA's processing unit requires 210 ml (7.1 oz.) of developer and 210 ml each of two bleach solutions to perform one operation. Each operation generates approximately 630 ml (21.3 oz.) of waste chemistry. It is estimated that the unit will be used a few times each week, with the maximum use expected to be a dozen uses. This translates to 1-2 gallons per week. In addition, it's estimated that one gallon of water bath will be emptied into the SRU during each week of normal operations.

The academic schedule at MECA consists of fall and spring semesters each lasting for 15 weeks followed by an eight week summer semester. An estimate based on 38 weeks of classes in session, and a maximum of 3 gallons total of waste chemistry and water bath each week would equal a total usage of 114 gallons per year.

3.2 Spent Chemistry Generation and Storage Areas

Figure 2 illustrates the location of the color processor and color SRU. All spent chemistry is

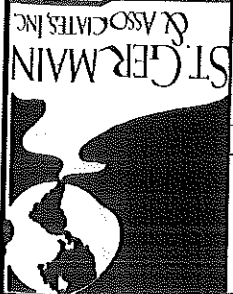
(SF)	SPELT FIXER SOLUTION GENERATION LOCATIONS	(FE)	FIRE EXTINGUISHER
(SRU)	SILVER RECOVERY UNIT (SRU)	(T)	TELEPHONE
▽	DOORWAY	(FA)	FIRE ALARM
---	EMERGENCY EVACUATION ROUTE	(SK)	SPILL KIT

MAP SOURCE: BASED ON SITE OBSERVATIONS
 MADE BY ST. GERMAIN & ASSOCIATES, INC.
 ON SEPTEMBER 14, 2004. UPDATED JANUARY 2009.

ST. GERMAIN & ASSOCIATES, INC.
 616 MAIN STREET, SUITE 3
 WESTBROOK, MAINE 04092
 TEL: (207) 591-7000 FAX: (207) 591-7329
 EMAIL: INFO@STGERMAIN.COM

SCALE: NTS
 PROJECT: 2550.1 DATE: 03/12/09

PREPARED FOR
 MAINE COLLEGE OF ART
 97 SPRING ST.
 PORTLAND, MAINE 04101



BAXTER BUILDING (NOT TO SCALE)

LEGEND:

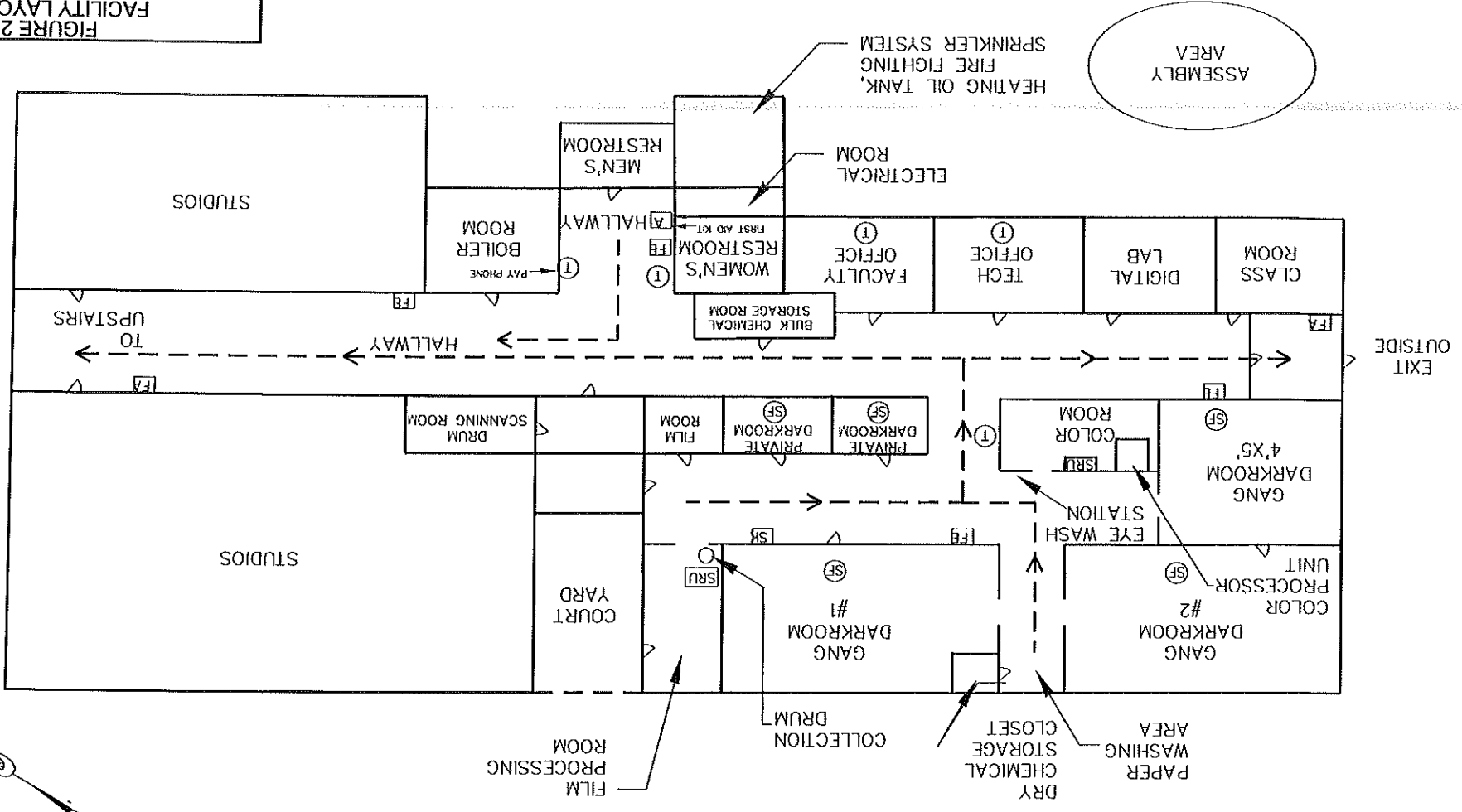


FIGURE 2
 FACILITY LAYOUT
 PHOTOGRAPHY DEPARTMENT
 619 CONGRESS STREET
 BAXTER BUILDING
 MAINE COLLEGE OF ART
 PORTLAND, MAINE

CONGRESS STREET

generated in the color room and is immediately poured into the SRU and processed. The SRU is capable of accommodating 7.5 gallons of waste at a time, therefore waste chemistry and water bath are never accumulated. The SRU's hinged cover is kept closed at all times except when adding waste chemistry or replacing the silver recovery cartridge. The unit and silver recovery cartridges are built in to a container that provides 110% secondary containment.

3.3 Security and Safety

The following procedures have been implemented to help prevent tampering and release of waste chemistry and water bath at the facility:

- Students and the technician of the Photography department have received hazardous waste training as it pertains to the collection and storage of waste chemistry and water bath.
- Once waste chemistry is generated, it is immediately transferred to the color SRU and treated.
- There are no floor drains in any of the darkrooms or in the Film Processing Room.

There are no satellite accumulation areas for hazardous waste. The Baxter Building is open 24 hours per day, seven days per week and 365 days per year. The building is locked except for evening (6-9 p.m.) and Saturday (9 a.m.-5 p.m.), during which time a security guard is present at all times. Regular MECA students (students attending class between 8 a.m. and 5 p.m. during weekdays) have keys to the building entrance, and can access the building at all times.

4.0 SRU TREATMENT

Appendix E illustrates the specifications of the METS A-101 treatment system, which will be provided and serviced by Evolve Technologies Corporation (Evolve) of Salem, New Hampshire. Evolve also services MECA's currently licensed SRU. Also included in Appendix E are the specifications for the silver recovery cartridges, Turbit Miner TM-4. According to Evolve, the silver recovery cartridges in the treatment system should effectively treat more than 150-200 gallons before replacement is needed. Since the annual effluent generation is expected to be about 114 gallons, changing the SRU cartridge every 6 months should be more than adequate to ensure the effective operation of the SRU. After passing through the SRU, the treated effluent is discharged directly from the unit into the City of Portland's sewer system.

5.0 EFFLUENT DISPOSAL

5.1 Testing Protocol and Schedule

The effluent from the SRU will be tested every six months prior to the cartridge change out to ensure the silver within the effluent does not exceed 1.00 mg/l. If testing reveals silver concentrations of greater than 1.00 mg/l, the servicing schedule will be shortened to ensure adequate silver removal from the effluent. Sampling and analysis of the effluent will be performed in accordance with Maine Pollutant Discharge Elimination System (MPDES) protocols. MECA will forward a copy of the the initial test (6 months after startup) results to the MEDEP. According to Evolve, the SRU is designed to remove silver in the treated effluent to a concentration of 1.00 mg/L or less.

5.2 Industrial Discharge Permit

Because the SRU removes silver in the effluent to below the City of Portland's Local Limit of 1.19 mg/L, treated effluent can be discharged into the City of Portland sewer system. The industrial discharge permit is provided in appendix F. A renewal application was submitted to the City of Portland and is currently being processed. The Baxter Building is currently discharging its wastewater under the existing discharge permit. A copy of this application has been provided to the City of Portland with a letter explaining the change in operations and the nature of wastewater being discharged into the municipal sewer system.

5.3 Silver Recovery Cartridge Removal

The cartridge in the SRU is replaced at a six-month frequency by a service technician from Evolve. According to Evolve, similar spent SRU cartridges from photographic developing operations have passed the TCLP test for silver. MECA will test the initial spent SRU cartridge for TCLP silver and will use the analytical results for its hazardous waste determination. If the spent SRU cartridge does not exceed the TCLP limit, then it will be shipped offsite for recycling as a non-hazardous waste. If the spent SRU cartridge exceeds the TCLP limit, it will be shipped offsite as hazardous waste with a waste code of D011.

APPENDIX A

Application for Abbreviated License for Precious Metal Recovery Unit

Maine Department of Environmental Protection
Bureau of Remediation and Waste Management
Division of Oil & Hazardous Waste Facilities Regulation
17 State House Station
Augusta, Maine 04333-0017
Telephone: (207)287-2651

Application For Abbreviated License
For Hazardous Waste Facility
Under The
Maine Hazardous Waste, Septage and
Solid Waste Management Act
(38 M.R.S.A., Section 1301 et. Seq.)

PRECIOUS METAL RECOVERY UNIT

PLEASE TYPE OR PRINT IN INK:

Check one/both

Name of Applicant: Maine College of Art Owner (x) Operator (x)

Mailing Address: 522 Congress Street Telephone No: (207) 879-5742

City: Portland State: Maine Zip Code: 04101

Contact Person (Name, Address and Tel): Douglas Doering, Director of Facilities

522 Congress Street, Portland, ME 04101 Tel: (207) 879-5742 x5082

Federal Employer Identification Number: 010378758 or

Social Security Number: _____

LOCATION OF ACTIVITY

Name of Facility: Baxter Building (Maine College of Art)

Street or Route Number: 619 Congress Street

Municipality or Township: Portland

Has the facility obtained a U.S. EPA Identification Number: Yes (X) No ()

If yes, the number is: MER000503482

Has the facility obtained any other State of Maine Hazardous Waste Facility Licenses? Yes (X) No ()

If yes, indicate license number and date of issue: Abbreviated License #O-0002222-HT-A-N
expires April 5, 2010

Facility Owner (if different from Applicant): _____

Owner's Contact Person, Mailing Address, & Telephone: Douglas Doering, Director of Facilities _____

522 Congress Street, Portland, ME 04101 Tel: (207) 879-5742 x 5082

Owner's Status is: (check one)

- A) _____ FEDERAL
- B) _____ STATE
- C) _____ MUNICIPAL
- D) PRIVATE
- E) _____ OTHER ENTITY (EXPLAIN BELOW)

General Requirements


1. Provide a description (narrative, site plans, drawings, maps, etc.) of the facility where hazardous wastes will be treated including: 1) storage areas where wastes will be held prior to and after treatment; 2) how and where hazardous wastes will be transported within the facility; and 3) security measures taken to prevent tampering and release of a hazardous waste to the environment.
2. Provide a description (schematic, flow charts, narrative, model name, brochure, etc.) of the treatment process and any equipment used to recover precious metals from the waste(s). Include in the description a listing of the capacity and cycling time of each treatment unit.
3. Provide a list of the types and amounts of wastes generated each month from which precious metals will be recovered. Include material safety data sheets on any commercially available products.
4. Provide a description of the method of final disposal of the effluent from the treatment process, including, but not limited to: 1) procedures and schedule for testing the effluent; 2) evidence of permission to discharge the effluent to a public or private sewer system; or 3) a statement that the effluent will be disposed of as a hazardous waste.
5. Attach a copy of the applicant's title, right or interest to the property (refer to Chapter 856, Section 10A (11) for guidance.
6. ATTACH a U.S.G.S. topographic map detailing the exact location of the facility.
7. Remit an annual fee in the form of a certified check or money order made payable to the Maine Hazardous Waste Fund in the amount of:
 - a. \$100- treatment facility under Abbreviated License provisions where the hazardous waste treated is 1,000 kilograms or less per calendar month.
 - b. \$200 - All other facilities for hazardous waste under Abbreviated License provisions.

The applicant by signing this application certifies that the facility is in compliance with applicable requirements of the Maine Hazardous Waste Management Rules (hereinafter the Rules), Chapter 851, Standards for Generators of Hazardous Waste, and that: **a)** the waste is treated for recovery of precious metals contained in it within ninety (90) days of the date when the waste first arrived at the facility; **b)** the facility shall maintain a valid license for treatment and/or disposal of wastewater generated by the recovery process or shall transport the waste off site for disposal at a facility authorized to accept the waste; **c)** except as provided for in Chapter 856, Section 11A(6), the waste is not incinerated, burned, or otherwise thermally treated, and **d)** upon closure or cessation of use, the facility or unit will be closed and certified according to the requirements of Chapter 856, Section 11C(3) of the Maine Hazardous Waste Management Rules.

The applicant certifies under penalty of law that he or she has examined and is familiar with the information submitted in this document and all attachments hereto and that based on his or her inquiry of those individuals immediately responsible for obtaining the information believes that the information is true, accurate and complete. The applicant authorizes the Department to enter the property that is the subject of this application, at reasonable hours, including buildings, structures or conveyances on the property, to determine the accuracy of any information provided herein. The applicant is aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

By signing this application, the applicant certifies that he or she has given public notice and filed the appropriate documents in accordance with Chapter 2, Section 6 thru 9 of the Department of Environmental Protection's Regulation for the Processing of Applications.

Date: 1/5/09


(Signature of Operator/Applicant)

JAMES BAKER PRECIOUS METAL
(Printed Name and Title)

Date: _____

(Signature of Owner/Applicant
if different from above)

(Printed Name and Title)

Note: Where the owner and operator are not the same person, either may obtain the license but both must sign and certify the application.

APPENDIX B

Material Safety Data Sheets



MATERIAL SAFETY DATA SHEET

The Fuji Hunt MSDS information provided on this site is updated on a monthly basis and complies with OSHA's Hazard Communication Standard (CFR 1910.1200) and the American National Standards Institute (ANSI) Standard for Material Safety Data Sheets (ANSI Z400.1).

Finished Goods Catalog
800710 - ECU RA PROFESSIONAL DEVELOPER & REPLENISHER CONCERN

Manufacturer Name
FUJI HUNT PHOTOGRAPHIC CHEMICALS, INC.

SECTION 1 - COMPANY IDENTIFICATION
Catalog / Sub-assembly Number: 746694
FUJI HUNT Photographic Chemicals, Inc.
40 Boreline Road
P.O. Box 320
Allendale, NJ 07401-0320

TRANSPORTATION EMERGENCIES (24HR)
Inside US/Canada 800-424-9300
Outside US/Canada 703-527-3887
(Accepts collect calls)
MEDICAL EMERGENCIES (24HR)
PROSER 877-935-7387
NON-EMERGENCIES
EHS Hotline 201-995-2330
General Info 201-995-2200

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Wt. %	OSHA PEL (mg/m3)	ACGIH (mg/m3)
EDTA	60-00-4	3-7%	NE	NE
N,N'-Diethyl Hydroxyamine	3710-84-7	7-15%	NE	NE
Para-Phenylenediamine	25646-71-3	5-10%	NE	NE
Derivative				
Polyethylene Glycol	25322-68-3	20-40%	NE	NE
Potassium Carbonate	584-08-7	20-40%	NE	NE
Potassium Hydroxide	1310-58-3	3-7%	2 C	2 C
Triethanolamine	102-71-6	10-20%	NE	3.1
Water	7732-18-5	30-50%	NE	NE

NE=Not Established STEL=Short Term Exposure Limit C-Ceiling Limits

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: Yellow to pinkish-tan, three-phase aqueous, viscous

Odor: Slight perfume odor

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles & neoprene gloves and apron. Wash

thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation. May produce hazardous gases under fire conditions. During emergencies, wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewer or waterways. Use water spray to cool containers and disperse vapors. Box may contain multiple containers having multiple components. Consult all MSDSs.

HMIS: Health: 3 Flammability: 1 Reactivity: 0 Protection: C
 NFPA: Health: 3 Flammability: 1 Reactivity: 0 Spec. Haz.: CORR

Hazard Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
 A = Gloves B = Gloves & Goggles C = Gloves, Goggles & Apron
 D = Face Shield, Gloves, Goggles & Apron

UN NO: UN3266
 DOT GUIDE: ERG Guide 154

Potential Health Effects:

Skin: Corrosive
 Eyes: Corrosive
 Inhalation: Corrosive to respiratory tract and mucous membranes.
 Ingestion: Corrosive
 Conditions aggravated by exposure:
 None expected except those associated with acute effects.
 Carcinogenicity: IARC: N NTP: N OSHA: N

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush with COOL water for 15 minutes. Call a physician.
 Skin Contact: In case of skin contact, immediately flush with cool water for 15 minutes. Call a physician.
 Ingestion: In case of ingestion, immediately drink large quantities of water. Discontinue if nauseated or unconscious. Do not induce vomiting. Call a physician.
 Inhalation: Immediately remove victim to fresh air. Call a physician for further recommendations.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties
 Flash Point: >200 deg F (CC)
 Autoignition Temperature: N/A deg F (CC)
 Explosion Limits: Lower: N/A vol. %: Not Tested
 Upper: N/A vol. %:
 OSHA Class IIIB Combustible Liquid

Extinguishing Media:
 Choose extinguishing media suitable for the surrounding materials, such as water spray, dry chemical, alcohol foam or carbon dioxide.

Unsuitable Extinguishing Media:
 No restrictions on media based on knowledge of this material.
 Fire Fighting Instructions:
 Water spray should be used to cool fire exposed containers and to disperse un-ignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when material has ignited or becomes involved in a fire. Try to remove material containers from fire area if can be accomplished without risk to personnel.

Evacuate area and fight fire from a safe distance. Call your local fire department. Wear positive pressure, breathing apparatus and protect eyes and skin. Use water to cool fire-exposed containers, to protect personnel and to disperse vapors and spills. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Small Spills:

For small incidental spills and leaks wear chemical safety goggles, and neoprene gloves and apron or coveralls. Isolate area of spill by diking. Stop source of leak. Add dry absorbent. Clean up and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse, and discard contaminated leather shoes.

Large Spills:

For larger spills requiring emergency response, neoprene boots and respiratory protection may also be required. Follow OSHA regulations and NIOSH recommendations for respirator use (29 CFR 1910.134 and NIOSH Pub. 87-108) and emergency response (see 29 CFR 1910.120). Isolate area of spill by diking. Stop source of leak. Add dry absorbent. Clean up and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse, and discard contaminated leather shoes. Call the emergency telephone number shown on the front of this sheet.

SECTION 7 - HANDLING / STORAGE

Handling:

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles and neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation.

Storage:

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation:

Good general ventilation should be sufficient for most processing operations. Vent work area to ensure airborne concentrations are below the current occupational exposure limits. Ten (10) or more room air changes per hour containing a minimum of 15% fresh air will meet these requirements. Consult ASHRAE 62-1989 for further requirements.

Personal Protective Equipment

Respiratory Protection: If used under normal operating conditions and with adequate ventilation, respiratory protection is not required. However, refer to OSHA 29 CFR 1910.134.

Skin Protection:

Neoprene or PVC gloves and apron

Eye Protection:

Chemical safety goggles

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to pinkish-tan, three-phase aqueous, viscous

Liquid

Odor: Slight perfume odor

Change in Physical State:

Boiling Point: >212 deg F

Melting Point: N/D deg F

Specific Gravity: 1.03

gm/cc

Vapour Pressure: N/D

Viscosity: 300

Cps

Solubility in Water: Complete

pH Value: 12-12.5

VOC (lbs/gal): 0 (Minus water)

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Polymerization:
Hazardous polymerization will NOT occur if product is used and stored as directed. Product is stable if used and stored as directed.
Hazardous Decomposition Products:
Oxides of Sulfur; Oxides of Carbon; Oxides of Nitrogen; Ammonia
Materials and Conditions to Avoid:
Keep away from excess heat (> 60 deg C). Avoid contact with strong oxidizers, strong acids and strong bases. Do not expose to air. Keep area from all sources of ignition. Addition of nitrates to formulations containing triethanolamine leads to the formation of Nitrosamines which are known to cause cancer.

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information
LD50 (oral, rat): No Data Available
Acute Overexposure:
Corrosive to all tissues contacted.
Chronic Overexposure:
No other effects besides those associated with acute exposure.
Ingredient Information:
Addition of nitrates to formulations containing triethanolamine leads to the formation of Nitrosamines which are known to cause cancer.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Data: No Data Available
Chemical Fate Data: No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Hazardous Waste Characteristics:
D002
Recommendation:
Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Discharge of processing effluent to the sewer may require a permit. DO NOT discharge effluent solutions to septic systems. Material, if spilled, may exhibit "corrosive" hazardous waste characteristics.

SECTION 14 - TRANSPORTATION INFORMATION

Ground Shipping Information
Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, N.O.S. (contains Potassium Hydroxide, Potassium Carbonate)
Hazard Class: 8
UN/NA Number: UN3266
Packing Group: PGIII
Air (ICAO/IATA) Shipping Information
Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, N.O.S. (contains Potassium Hydroxide, Potassium Carbonate)
Hazard Class: 8
UN No: UN3266
Packing Group: PGIII
Subsidiary Risk: None
UN/DOT Labels Needed: Corrosive
International Maritime Organization (IMO) Additional Shipping Class:
IMDG Code: IMDG 8147-1



Amdt. Code: Amdt. 27-94
 HMS Code: HTS#3707.90,6000.8
 Product is labeled in accordance with US D.O.T. 49 CFR.

Further information:
 Please call (201) 995-2200 for further D.O.T. information.

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

313 = SARA Title III Section 313 (40 CFR 372 -- Toxic Release Inventory)
 355 = SARA Title III Section 302 (40 CFR 355 -- Extremely Hazardous Substance)
 302 = SARA Title III Section 304 (40 CFR 302 -- Hazardous Substance List)
 CWA = Clean Water Act Priority Pollutants List
 CAA = Clean Air Act 1990 Hazardous Air Contaminants
 HAP = Clean Air Act - HON Rule - HAPs

Ingredients	CAS Number	313	355	302	CWA	CAA	HAP
EDTA	60-00-4	N	N	Y	N	N	N
N,N'-Diethyl Hydroxylamine	3710-84-7	N	N	N	N	N	N
Para-Phenylenediamine	25646-71-3	N	N	N	N	N	N
Derivative							
Polyethylene Glycol	25322-68-3	N	N	N	N	N	N
Potassium Carbonate	584-08-7	N	N	N	N	N	N
Potassium Hydroxide	1310-58-3	N	N	Y	N	N	N
Triethanolamine	102-71-6	N	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N	N

NSCA 12 (b) Export Notification
 None required

TOXICITY INFORMATION:

IRCL = IARC Group 1 Human Carcinogens List
 IRC2 = IARC Group 2 Human Carcinogens List (limited human data)
 IRC3 = IARC Group 2B Human Carcinogens List (sufficient animal data)
 NTP = NTP Known Carcinogens List
 OSHA = OSHA Known Carcinogens List

Ingredients	CAS Number	IRCL	IRC2	IRC3	NTP	OSHA
EDTA	60-00-4	N	N	N	N	N
N,N'-Diethyl Hydroxylamine	3710-84-7	N	N	N	N	N
Para-Phenylenediamine	25646-71-3	N	N	N	N	N
Derivative						
Polyethylene Glycol	25322-68-3	N	N	N	N	N
Potassium Carbonate	584-08-7	N	N	N	N	N
Potassium Hydroxide	1310-58-3	N	N	N	N	N
Triethanolamine	102-71-6	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N

STATE REGULATIONS:

FL = Florida Hazardous Substance List MA = Massachusetts Right-To-Know List
 MI = Michigan Critical Materials List MN = Minnesota Hazardous Substance List
 NJ = New Jersey Right-To-Know List PA = Pennsylvania Right-To-Know List

Ingredients	CAS Number	PA	NJ	MN	MI	MA	FL
EDTA	60-00-4	Y	Y	N	N	Y	N
N,N'-Diethyl Hydroxylamine	3710-84-7	N	N	N	N	N	N
Para-Phenylenediamine	25646-71-3	N	N	N	N	N	N
Derivative							
Polyethylene Glycol	25322-68-3	N	N	Y	N	N	N
Potassium Carbonate	584-08-7	N	N	N	N	N	N
Potassium Hydroxide	1310-58-3	Y	Y	Y	N	Y	Y
Triethanolamine	102-71-6	Y	N	Y	N	Y	Y



Water 7732-18-5 N N N N N

The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 or Proposition 65. This regulation does not address minimum levels; therefore, even trace amounts of chemicals included on these lists must be noted with the "Safe Harbor" wording.

WARNING: Known to the State of California to cause cancer:

CAS NUMBER CHEMICAL NAME
139-13-9 NITRILOTRACETIC ACID

WARNING: Known to the State of California to cause developmental toxicity:

CAS NUMBER CHEMICAL NAME
7439-97-6 MERCURY

WARNING: Known to the state of California to cause female reproductive effects

*****None listed*****

WARNING: Known to the state of California to cause male reproductive effects:

*****None listed*****

SECTION 16 - OTHER INFORMATION

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

1. Identification of the substance/preparation and of the company/vendor

Product details

- Trade name: Bleichfixerbad E-6C-41 BX Part I
- Article number:
41020, 20102034BX Part I, 20102032 Part I, 20102228 Part I, 20102046 Part I, 20102226BX Part I
- Application of the substance / the preparation: Bleichfixer preparation for photographic use
- Manufacturer/Supplier:
TETENAL AG & Co. KG
Schützengasse 31-35
D-22844 Norderstedt
Tel.: 0049 (0) 40 521 45-0
Fax: 0049 (0) 40 521 45-296
www.tetenal.com
Email: info@tetenal.com

Tetenal LTD., Tetenal House, Centurion Way, Meriton Industrial Estate,
Leicester LE19 1WH/Great Britain,
Tel. 0870-460 8996, Fax 0870-460 8997, eMail: uk@tetenal.com, www.tetenal.com

- Further information obtainable from: Department environment and safety
- Information in case of emergency: Poison Information Centre Berlin: 0049 (0) 30 19240

2. Hazards identification

- Hazard description: Not applicable.
- Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3. Composition/information on ingredients

- Chemical characterization
- Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components: Void
- Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures

- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several (15 min) under running water.
- After swallowing: If symptoms persist consult doctor.

5. Fire fighting measures

- Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Cont. on page 2)

Trade name: Bleichfixerbad E-6C-41 BX Part I

- Protective equipment: No special measures required.

6. Accidental release measures

- Person-related safety precautions: Ensure adequate ventilation
- Measures for environmental protection:
Dilute with plenty of water.
Do not allow to enter sewers/surface or ground water
- Measures for cleaning/collecting:
Absorb with liquid binding material (sawd, diatomite, acid binders, universal block, sand)
- Additional information: No dangerous substances are released.

7. Handling and storage

- Handling:
Information for safe handling: No special measures required.
- Information about fire- and explosion protection: No special measures required
- Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Store away from heat/sunlight.
Further information about storage conditions:
Store under lock and key and out of the reach of children.
Recommended storage temperature: 5-25 °C

8. Exposure control/personal protection

- Additional information about design of technical facilities: No further data, see item 7.
- Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.
- Personal protective equipment:
General protective and hygienic measures: Avoid contact with the skin
- Respiratory protection: Not required.
- Protection of hands:
The glove material has to be impermeable and resistant to the product / the substance / the preparation.
Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Material: Butylrubber/lat - pervasion time: > 480 min, strength of material: 20,7 mm
Material: Neopren with pervasion-time: > 240 min, strength of material: 20,65 mm

(Cont. on page 3)

Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 16.01.2008

version no: 1

Revision: 14.01.2008

1 Identification of the substance/preparation and of the company/manufacturing

Product details

Trade name: **Bleachfix bath BX Part 2**

Article number:

44021, zu102034BXPart2, zu102032BXPart2, zu102228DXPart2, zu102046Part2, zu102031BXPart2, zu102236BXPart2, 6722/1 Part2

Application of the substance / the preparation Bleach bath for photographic use

Manufacturer/Supplier:

TETENAL AG & Co. KG
Schützenwall 31-35
D-22844 Norderstedt
Tel.: 0049 (0) 40 521 45-0
Fax: 0049 (0) 40 521 45-296
www.tetenal.com
Email: info@tetenal.com

Tetenal LTD., Tetenal House, Centurion Way, Meridian Industrial Estate,
Leicester LE19 1WH Great Britain,
Tel. 0870-460 8996, Fax 0870-4608997, eMail: uk@tetenal.com, www.tetenal.co.uk

Further information obtainable from: Department environment and safety
Information in case of emergency: Poison Information Centre Berlin: 0049 (0) 30 19240

2 Hazards identification

Hazard description: Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 7681-57-4 EINECS: 231-673-0	sodium metabisulphite	Xn, Xi; R 22-31-41	1-5%
CAS: 7757-83-7 EINECS: 231-821-4	sodium sulphite	R 31	1-5%
CAS: 64-19-7 EINECS: 200-580-7	acetic acid	C; R 10-35	0.5-2%

Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately rinse with water.

After eye contact: Rinse opened eye for several (15 min) under running water.

(Contd. on page 2)

Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 16.01.2008

version no: 1

Revision: 14.01.2008

Trade name: Bleachfix bath BX Part 2

After swallowing: If symptoms persist consult doctor.

(Contd. on page 1)

5 Fire-fighting measures

Suitable extinguishing agents:

CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6 Accidental release measures

Person-related safety precautions: Ensure adequate ventilation

Measures for environmental protection:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

Additional information: No dangerous substances are released.

7 Handling and storage

Handling:

Information for safe handling: No special measures required.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from heat and direct sunlight.

Store under lock and key and out of the reach of children.

Recommended storage temperature: 5-25°C

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

7681-57-4 sodium metabisulphite (1-5%)

WEL Long-term value: 5 mg/m³

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Protection of hands:

The glove material has to be impermeable and resistant to the product/the substance/the preparation

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 3)

Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date: 16.01.2008

version no: 1

Revision: 16.01.2008

1 Identification of the substance/preparation and of the company/institution

Product details

- Trade name: **COLORTEC C-41 Rapid Developer Part 2**
- Article number: 45606, zu102228 Part2, zu102228 Part2, zu102226 Part2, 6523/2 Part2
- Application of the substance / the preparation Developer for photographic use
- Manufacturer/Supplier:
TETENAL AG & Co. KG
Schützenwall 31-35
D-22844 Nordvicede
Tel.: 0049 (0) 40-52145-0
Fax: 0049 (0) 40-52145-296
www.tetenal.com
Email: info@tetenal.com

Tetenal LTD., Tetenal House, Centurion Way, Meridian Industrial Estate,
Leicester LE19 4WU/Great Britain,
Tel. 0870-460 8996, Fax 0870-4608997, eMail: uk@tetenal.com, www.tetenal.co.uk

- Further information obtainable from: Department environment and safety
- Information in case of emergency: Poison Information Centre Berlin: 0049 (0) 30 19240

2 Hazard identification

Hazard description:



Xn Harmful
N Dangerous for the environment

Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- R 22 Harmful if swallowed.
- R 43 May cause sensitisation by skin contact.
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 25646-77-9	(4-aminio-m-tolylthio)2-hydroxyethylthiomonium sulphate	1-5%
EINECS: 247-162-0	p-Phenylenediaminodierat (CD-4)	
	R: T, Xi, Xi; R: 23-43-48/22-50/53	
CAS: 7681-57-4	sodium metabisulphite	<2.5%
EINECS: 231-673-0	Xn, Xi; R: 22-31-41	

Additional information: For the wording of the listed risk phrases refer to section 16.

(Cont'd on page 2)

Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date: 16.01.2008

version no: 1

Revision: 16.01.2008

Trade name: **COLORTEC C-41 Rapid Developer Part 2**

(Cont'd of page 1)

4 First aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the incident

After inhalation:

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several (15 min) under running water.

After swallowing: Call for a doctor immediately.

5 Fire-fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6 Accidental release measures

Person-related safety precautions: Ensure adequate ventilation

Measures for environmental protection:

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewer/surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, rich binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

Handling:

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire- and explosion protection: No special measures required

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from heat and direct sunlight.

Store under lock and key and out of the reach of children

Recommended storage temperature: 5-25°C

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

(Cont'd on page 3)

Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 16.01.2008

Version no. 1

Revision 16.01.2008

Trade name: **COLORTEC C-41 Rapid Developer Part 2**

(Cont. on page 2)

Ingredients with limit values that require monitoring at the workplace:

7681-57-4 sodium metabisulphite (0.3-2%)

WFL (Long term value): 5 mg/m³

Additional information: The lists valid during the making were used at basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Avoid contact with the skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/the substance of the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation of the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Material: Nitrilnautschuk; pervasion-time: > 480 min, strength of material: > 20,7 non

gloves made of nitrile rubber, thickness > 0,38mm, and breakthrough time > 480min

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection: Protective work clothing

2 Physical and chemical properties

General information

Form: Fluid
Colour: Light yellow
Odour: Pungent
to sulfur dioxide

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point:

Not applicable.

Self-igniting:

Product is not selfigniting.

Danger of explosion:

Product does not present an explosion hazard.

(Cont. on page 3)

Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 16.01.2008

Version no. 1

Revision 16.01.2008

Trade name: **COLORTEC C-41 Rapid Developer Part 2**

(Cont. on page 3)

Vapour pressure at 20 °C: 23 hPa

Density at 20 °C: 1.01 g/cm³

Solubility in / Miscibility with water: Fully miscible.

pH-value at 20 °C: 4.3

Solvent content:

Organic solvents: 0.0 %

Water: 99.9 %

Solids content: 8.1 %

3 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

4 Ecotoxicological information

Acute toxicity:

LD50 values relevant for classification:

25646-77-9 (4-aminio-m-tolylethyl(2-hydroxyethyl)ammonium sulphate
p-Phenylendiaminderivat (CD-1)

Oral (LD50) 58 mg/kg (rat)

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Hazardful

Irritant

Sensitisation May cause sensitisation by skin contact.

5 Ecological information

Ecotoxicological effects:

Remark: Toxic for fish

General notes:

Water hazard class 3 (German Regulation) (Self-assessment only: extremely hazardous for water)

Do not allow product to reach ground water, water course or sewage system, even in small quantities

Do not to drinking water if even extremely small quantities leak into the ground

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

(Cont. on page 5)

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Page 5/5

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 16.01.2008

version no: 1

Revision: 14.01.2008

Trade name: Bleachfix both BX Part 2

(Contd. of page 4)

- Special labelling of certain preparations:
Safety data sheet available for professional user on request.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

- 10 Flammable.
- 22 Harmful if swallowed.
- 31 Contact with acids liberates toxic gas.
- 35 Causes severe burns.
- 41 Risk of serious damage to eyes.

- Department issuing MSDS: Department product safety.
- Contact: Hr. Krefz-Busfeld
- Data compared to the previous version altered.

TETENAL

Page 1/6

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 16.01.2008

version no: 1

Revision: 16.01.2008

1 Identification of the substance/preparation and of the company/manufacturing

- Product details
- Trade name: C-41 Stabilisierbad u.Reg. BNP-C41 STAB BNP
- Article number: 45544, 102971, 101943, 102441, 6713/10
- Application of the substance / the preparation Stabilisierbad both for photographic use
- Manufacturer/Supplier:
TETENAL AG & Co. KG
Schützengwall 31-35
D-22844 Norderstedt
Tel.: 0049 (0) 40 521 45-0
Fax: 0049 (0) 40 521 45-296
www.tetenal.com
Email: info@tetenal.com

Tetenal LTD., Tetenal House, Centurion Way, Meridian Industrial Estate,
Leicester LE19 1WH/Great Britain.
Tel. 0870-460 8996, Fax 0870-4608997, eMail: uk@tetenal.com, www.tetenal.co.uk

- Further information obtainable from: Department environment and safety
- Information in case of emergency: Poison Information Centre Berlin: 0049 (0) 30 19240

2 Hazards identification

Hazard description:



Xi Irritant

- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 43 May cause sensitisation by skin contact.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- Chemical characterization
- Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 68131-39-5 NLP: 500-195-7	Alcohols, C12-15, ethoxylated	<input checked="" type="checkbox"/> Xn, <input checked="" type="checkbox"/> Xi, <input checked="" type="checkbox"/> N; R 22-36-50	1-5%
CAS: 100-97-0 EINECS: 202-905-8	Hexamethylenetetramine	<input checked="" type="checkbox"/> Xn, <input checked="" type="checkbox"/> Xi, <input checked="" type="checkbox"/> T; R 11-42/43	1-5%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one	<input checked="" type="checkbox"/> Xn, <input checked="" type="checkbox"/> Xi, <input checked="" type="checkbox"/> N; R 22-38-41-43-50	0,05-2%

- Additional information: For the wording of the listed risk phrases refer to section 16.

(Contd. on page 2)

TETENAL

Page 4/6

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date: 16.01.2005

version no: 1

Revision: 16.01.2005

Trade name: C-41 Stabilisierbad u.Reg. BNP-C41 STAB BNP

(Contd. of page 3)

· Vapour pressure at 20°C:	23 hPa
· Density at 20°C:	1.017 g/cm ³
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· pH-value at 20°C:	9.7
· Solvent content:	
· Organic solvents:	0.0 %
· Water:	91.3 %
· Solids content:	8.8 %

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions: No dangerous reactions known.
- Dangerous decomposition products: Irritant gases/vapours

11 Toxicological information

· Acute toxicity:

· LD/LC50 values relevant for classification:

100-97-0 Hexamethylenetetramine

Oral LD50: 9200 mg/kg (rat)

Dermal LD50: >2000 mg/kg (rat)

· Primary irritant effect:

· on the skin: No irritant effect.

· on the eye: No irritating effect.

· Sensitization: Sensitization possible through skin contact.

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

· Sensitisation May cause sensitisation by skin contact.

12 Ecological information

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· Product:

· Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 5)

TETENAL

Page 5/6

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date: 16.01.2005

version no: 1

Revision: 16.01.2005

Trade name: C-41 Stabilisierbad u.Reg. BNP-C41 STAB BNP

(Contd. of page 4)

· European waste catalogue
09 01 99 wastes not otherwise specified

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

14 Transport information

· Land transport ADR/RID (cross-border)

· ADR/RID class:

· Maritime transport IMDG:

· IMDG Class:

· Marine pollutant: No

· Air transport ICAO-TI and IATA-DGR:

· ICAO/IATA Class:

15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:

Xi Irritant

· Hazard-determining components of labelling:

Hexamethylenetetramine

1,2-Benzothiazol-3(2H)-one

· Risk phrases:

43 May cause sensitisation by skin contact.

· Safety phrases:

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

24 Avoid contact with skin.

37 Wear suitable gloves.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

60 This material and its container must be disposed of as hazardous waste.

2 Keep out of the reach of children.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases

11 Highly flammable.

22 Harmful if swallowed.

36 Irritating to eyes.

38 Irritating to skin.

41 Risk of serious damage to eyes.

42/43 May cause sensitisation by inhalation and skin contact.

43 May cause sensitisation by skin contact.

(Contd. on page 6)

RA
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PART

PH9

FUJIFILM
FUJIFILM

MATERIAL SAFETY DATA SHEET

The Fuji Hunt MSDS information provided on this site is updated on a monthly basis and complies with OSHA's Hazard Communication Standard (CFR 1910.1200) and the American National Standards Institute (ANSI) Standard for Material Safety Data Sheets (ANSI Z400.1).

~~Final~~ ~~Goods~~ Catalog

822571 - CP RA BLEACH FIX & REPLENISHER, PART A

Manufacturer Name

FUJI HUNT PHOTOGRAPHIC CHEMICALS, INC.

SECTION 1 - COMPANY IDENTIFICATION

Catalog / Sub-assembly Number: 822571
FUJI HUNT Photographic Chemicals, Inc.
40 Boroline Road
P.O. Box 320
Allendale, NJ 07401-0320

TRANSPORTATION EMERGENCIES (24HR)
Inside US/Canada 800-424-9300
Outside US/Canada 703-527-3887
(Accepts collect calls)

MEDICAL EMERGENCIES (24HR)

Prosear 877-935-7387
NON-EMERGENCIES
EHS Hotline 201-995-2330
General Info 201-995-2200

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Wt. %	OSHA PEL (mg/m3)	ACGIH (mg/m3)
Ammonium Bisulfite	10192-30-0	7-15%	NE	NE
Ammonium Thioculfate	7783-18-8	30-50%	NE	NE
Water	7732-18-5	30-50%	NE	NE

NE=Not Established STEP=Short Term Exposure Limit C=Ceiling Limits

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: Clear, colorless, aqueous liquid
Odor: Slight sulfur dioxide
odor

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles & neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation. May produce hazardous gases under fire conditions. During emergencies, wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewer or waterways. Use water spray to cool containers and disperse vapor. Box may contain multiple containers having multiple components.

Large Spills:

For larger spills requiring emergency response, neoprene boots and respiratory protection may also be required. Follow OSHA regulations and NIOSH recommendations for respirator use (29 CFR 1910.134 and NIOSH Pub. 87-108) and emergency response (see 29 CFR 1910.120). Isolate area of spill by diking. Stop source of leak. Add dry absorbent. Clean up and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse, and discard contaminated leather shoes. Call the emergency telephone number shown on the front of this sheet.

SECTION 7 - HANDLING / STORAGE**Handling:**

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles and neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation.

Storage:

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROL AND PERSONAL PROTECTION**Ventilation:**

Good general ventilation should be sufficient for most processing operations. Vent work area to ensure airborne concentrations are below the current occupational exposure limits. Ten (10) or more room air changes per hour containing a minimum of 15% fresh air will meet these requirements. Consult ASHRAE 52-1989 for further requirements.

Personal Protective Equipment:

Respiratory Protection: If used under normal operating conditions and with adequate ventilation, respiratory protection is not required. However, refer to OSHA 29 CFR 1910.134.

4. Skin Protection:

Neoprene gloves and apron

Eye Protection:

Chemical safety goggles

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless, aqueous liquid

Odor: Slight sulfur dioxide odor

Change in Physical State:

Boiling Point: >100 deg C

Melting Point: N/D deg F

Specific Gravity: 1.32 Water=1

Vapour Pressure: ~15 mmHg @ 20C

Viscosity: N/A

Solubility in Water: Complete

pH Value: 5.5

VOC (lbs/gal): 0 (USEPA Method 24)

SECTION 10 - STABILITY AND REACTIVITY**Hazardous Polymerization:**

Hazardous polymerization will NOT occur if product is used and stored as directed. Product is stable if used and stored as directed.

Hazardous Decomposition Products:

Oxides of Sulfur, oxides of Carbon

Materials and Conditions to Avoid:

Keep away from excess heat. Avoid contact with strong oxidizers, strong acids and strong bases. This product contains an ammonia compound. Do not allow this solution to come in contact with household or industrial

U.S. FEDERAL REGULATIONS:

213 = SARA Title III Section 313 (40 CFR 312 -- Toxic Release Inventory)
 355 = SARA Title III Section 302 (40 CFR 355 -- Extremely Hazardous Substance)
 302 = SARA Title III Section 304 (40 CFR 302 -- Hazardous Substance List)
 CWA = Clean Water Act Priority Pollutants List
 CAA = Clean Air Act 1990 Hazardous Air Contaminants
 HAP = Clean Air Act - HON Rule - HAPs

Ingredients	CAS Number	213	355	302	CWA	CAA	HAP
Ammonium Bisulfite	10192-30-0	Y	Y	Y	N	N	N
Ammonium Thiosulfate	7783-18-8	Y	Y	Y	N	N	N
Water	7732-18-5	N	N	N	N	N	N

TSCA 12 (b) Export Notification

None required*

TOXICITY INFORMATION:

IRCI = IARC Group 1 Human Carcinogens List
 IRC2 = IARC Group 2 Human Carcinogens List (limited human data)
 IRC3 = IARC Group 2B Human Carcinogens List (sufficient animal data)
 NTP = NTP Known Carcinogens List
 OSHA = OSHA Known Carcinogens List

Ingredients	CAS Number	IRCI	IRC2	IRC3	NTP	OSHA
Ammonium Bisulfite	10192-30-0	N	N	N	N	N
Ammonium Thiosulfate	7783-18-8	N	N	N	N	N
Water	7732-18-5	N	N	N	N	N

STATE REGULATIONS:

FL = Florida Hazardous Substance List MA = Massachusetts Right-To-Know List
 MI = Michigan Critical Materials List MN = Minnesota Hazardous Substance List
 NJ = New Jersey Right-To-Know List PA = Pennsylvania Right-To-Know List

Ingredients	CAS Number	PA	NJ	MN	MI	MA	FL
Ammonium Bisulfite	10192-30-0	Y	Y	Y	N	Y	Y
Ammonium Thiosulfate	7783-18-8	Y	Y	Y	N	Y	Y
Water	7732-18-5	N	N	N	N	N	N

The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 or Proposition 65. This regulation does not address minimum levels; therefore, even trace amounts of chemicals included on these lists must be noted with the "Safe Harbor" wording.

WARNING: Known to the State of California to cause cancer:

None listed*

WARNING: Known to the State of California to cause developmental toxicity:

None listed*

WARNING: Known to the State of California to cause female reproductive effects

None listed*

WARNING: Known to the State of California to cause male reproductive effects:

None listed*

SECTION 16 - OTHER INFORMATION

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

FUJI HONT PHOTOGRAPHIC CHEMICALS, INC. - 822572 - CP RA BLEACH FIX & REPLENISHER, PART B

Consult: all MSDS.

HMTS: Health: 1	Flammability: 0	Reactivity: 0	Protection: B
NFPA: Health: 1	Flammability: 0	Reactivity: 0	Spec. Haz.: None
Hazard Rating: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe			
A = Gloves B = Gloves & Goggles C = Gloves, Goggles & Apron			
D = Face Shield, Gloves, Goggles & Apron			

UN NO: None

DOT GUIDE: ERG Guide 111

Potential Health Effects:

Skin: Contact causes irritation.

Eyes: Causes irritation.

Inhalation: Irritant to respiratory tract and mucous membranes.

Ingestion: Ingestion of product may cause nausea and vomiting.

Conditions aggravated by exposure:

None expected except those associated with acute effects.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush with COOL water for 15 minutes. Call a physician.

Skin Contact: In case of skin contact; immediately flush with cool water for 15 minutes.

Call a physician.

Ingestion: In case of ingestion; induce vomiting upon medical advice. Call a physician.

Inhalation: Immediately remove victim to fresh air. Call a physician for further recommendations.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: None deg F (FCC)

Autoignition Temperature: N/A deg F (CC)

Explosion Limits: Lower: N/A vol.%; Not Tested

Upper: N/A vol.%;

Extinguishing Media:

Choose extinguishing media suitable for the surrounding materials, such as water spray, dry chemical, alcohol foam or carbon dioxide.

Unsuitable Extinguishing Media:

No restrictions on media based on knowledge of this material.

Fire Fighting Instructions:

Water spray should be used to cool fire exposed containers and to disperse un-ignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when material has ignited or becomes involved in a fire. Try to remove material containers from fire area if can be accomplished without risk to personnel.

Evacuate area and fight fire from a safe distance. Call your local fire department. Wear positive pressure, breathing apparatus and protect eyes and skin. Use water to cool fire-exposed containers, to protect personnel and to disperse vapors and spills. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Small Spills:

For small incidental spills and leaks wear chemical safety goggles, and neoprene gloves and apron or coveralls. Isolate area of spill by diking. Stop source of leak. Add dry absorbent. Clean up and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse, and discard contaminated leather shoes.

Revision Date - 12/10/2001

Page 2

FUJI HUNT PHOTOGRAPHIC CHEMICALS, INC. - 822572 - CP RA BLACK FIX & REPLENISHER, PART B

release of hazardous or toxic gases. Inhalation of these gases may cause severe respiratory irritation.

SECTION 11 - TOXICOLOGICAL INFORMATION**Product Information**

LD50 (oral, rat): No Data Available

Acute Overexposure:

Skin, eye, mucous membrane and respiratory tract irritant.

Chronic Overexposure:

No other effects besides those associated with acute exposure.

Ingredient Information:

No other information.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Data: No Data Available

Chemical Fate Data: No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS**Hazardous Waste Characteristic:**

None

Recommendation:

Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Discharge of processing effluent to the sewer may require a permit. DO NOT discharge effluent solutions to septic systems.

SECTION 14 - TRANSPORTATION INFORMATION**Ground Shipping Information**

Proper Shipping Name: Chemicals, N.O.I., Not D.O.T. regulated.

Hazard Class: None

UN/NA Number: None

Packing Group: None

ADR (ICAO/IATA) Shipping Information

Proper Shipping Name: Chemicals, N.O.I., Not D.O.T. regulated.

Hazard Class: None

UN No: None

Packing Group: None

Subsidiary Risk: None

UN/DOT Labels Needed: None

International Maritime Organization (IMO) Additional Shipping Class:

IMDG Code: Not Applicable

Amdt. Code: N/A

IMS Code: Not Applicable

Product is labeled in accordance with US D.O.T. 49 CFR.

Further information:

Please call (201) 995-2200 for further D.O.T. information.

SECTION 15 - REGULATORY INFORMATION

**Note: The ingredient information listed in this section is provided for reporting requirements as dictated by USEPA, state and local regulation. If ingredient is listed in this section but not in Section 2, then the concentration of this ingredient is below the minimum (less than 0.1%).

U.S. FEDERAL REGULATIONS:

APPENDIX C

Property Title

To have and to hold the same, together with all the privileges and appurtenances thereto belonging, to the said Portland School of Art, its successors

heretofore assigns hereof, to their own use and behoof forever.

And it do enjoin that with the said Grantee, its/ heretofore assigns, that successors

it shall and will warrant and defend the premises to the said Grantee, its/ heretofore

assigns forever, against the lawful claims and demands of all persons claiming by, through, or under it, except as aforesaid.

The said Portland Society of Art has caused this instrument to be sealed with its corporate seal and signed in its corporate name by David Pilimpton, its Treasurer, therunto duly authorized, and

Witness my hand and seal of office this 1st day of July, A.D. 19 85.

Signed, Sealed and Delivered in presence of

Caroline B. Hale
Portland Society of Art
By: David Pilimpton
Treasurer

Given at said City of Cumberland ss. July 1, 19 85.
Then personally appeared the above named David Pilimpton, Treasurer of the Portland Society of Art

and acknowledged the foregoing instrument to be the free act and deed of the Portland Society of Art and to be his free act and deed in his said capacity.

Before me
Margaret L. Danling
Notary Public

RECEIVED
1905 JUL -5 AM 8:43
RECORDED DEPT. OF DEEDS
CUMBERLAND COUNTY

Type of print name: James J. Clark

SEAL

proceeds with respect to damage to the premises shall be held in order to restore the premises as close as possible to its present condition; provided, however, that if more than fifty percent of the Charles Quincey Clapp House is damaged or destroyed by fire or other casualty, the grantee shall have the option either of applying any such damage award or insurance to a restoration thereof or of abandoning the premises in which latter event the grantee shall apply so much of such award or insurance as is required to cover the cost of leveling the remains, if any, of the Charles Quincey Clapp House and of grading the land conveyed herewith, and may retain the balance of such award or insurance. In the case of Grantee's exercise of the abandonment option, the Grantor, its successors and assigns, shall have the right to have said land conveyed to Grantor, its successors and assigns, without consideration.

d) Grantor, its successors and assigns, shall have the right of specific performance of the restrictions and covenants set forth herein, as well as all other remedies provided by law or equity.

Also a certain lot or parcel of land, with any buildings or improvements thereon, situated on the northerly side of Congress Street, in the City of Portland, County of Cumberland and State of Maine, and being all of the real estate conveyed to the City of Portland by James P. Baxter by indenture dated December 31, 1888, recorded in the Cumberland County Registry of Deeds in Book 555, Page 383, and all of the real estate conveyed to the trustees of the Portland Public Library by deeds of Harriet H. Deering and Margaret Deering Gilman, dated June 6, 1896, recorded in said Registry of Deeds in Book 639, Page 277, of Edward A. Noyes, dated August 7, 1896, recorded in said Registry of Deeds in Book 639, Page 289, and of Ella M. Clark, dated September 25, 1896, recorded in said Registry of Deeds in Book 639, for a 491, to all of which deeds reference is hereby made for a more particular description of the premises hereby conveyed. The three parcels conveyed to the Trustees of the Portland Public Library by the above mentioned 1896 deeds were conveyed to Portland Public Library by deed of the Trustees of the Portland Public Library, dated May 27, 1926 and recorded in said Registry of Deeds in Book 1229, Page 126.

Excepting the small parcel at the northeasterly corner of the above-described premises, conveyed to Immanuel Baptist Church by deed of the Portland Public Library, dated May 27, 1926, recorded in said Registry of Deeds in Book 1229, Page 127.

Meaning and intending to convey and hereby conveying the same premises described in a deed from City of Portland et al. to Grantor dated March 16, 1982 and recorded in said Registry of Deeds, Book 4932, Page 135 and this conveyance is made with the benefit of and subject to the conditions and restrictions set forth in said deed.

This conveyance is made subject to the following encumbrances and the debt secured thereby, which Grantee, its successors and assigns, by acceptance of this deed, hereby assume and agree to pay:

Meaning and intending to convey and hereby conveying the same premises described in deed from J. B. Brown & Sons to Portland Society of Art dated July 1, 1976, Book 3868, Page 280.

Also hereby conveying all rights and interests described in the deed from Associated Hospital Service of Maine and J. B. Brown & Sons dated March 22, 1977 and recorded in said Registry of Deeds, Book 3994, Page 224.

Also hereby conveying all right, title and interest of Grantor in and to the unrecorded license from City of Portland to Grantor dated August 2, 1976 regarding an emergency exit stairwell at 43-55 Pleasant Street, Portland, Maine, provided that Grantor, his successors and assigns, by acceptance of this deed hereby assumes the obligations to the City of Portland set forth in said license.

Also the building known as the Portland School of Art Building (Charles Quincy Clapp House) at 97 Spring Street, as shown on the plan for Portland Museum of Art Building Committee by H. I. & E. C. Jordan dated May 5, 1978 and recorded in Cumberland County Registry of Deeds, Plan Book 129, Page 76, the land located under said building and all real estate located in the area between the front of the building and the northerly side of Spring Street Arterial between the extensions southeasterly of the southwesterly and northeasterly walls of said Portland School of Art Building, including the granite steps shown on said plan.

Being a portion of the real estate conveyed to the Portland Society of Art by Isabella J. Bickford by deed dated July 31, 1914 recorded in Book 936, Page 21.

Together with the right to use for parking that portion of the land described in the aforesaid deed which is shown for parking of cars on Exhibit A to the Agreement of October 8, 1980 between the Portland Society of Art and the Young Women's Christian Association of Portland, Maine recorded in Book 4689, Page 284, that portion of the driveway shown thereon marked "A" and easement portion of said driveway marked "B" for ingress and egress to and from said parking area, all in accordance with and subject to the applicable terms, conditions and obligations of said Agreement, as amended by Amendment of Indenture dated December 1, 1982, recorded in said Registry of Deeds, Book 5089, Page 116, in common with Grantor, and the Portland Museum of Art and their successors and assigns, provided that use of the area for parking shall not interfere with the use of the area for maintenance, repair, alteration, removal, building and rebuilding of improvements on Grantor's remaining land and the drive shall be used by tenant, Grantor, Portland Museum of Art and their successors and assigns so as not to interfere with the use by the other of said driveway. Also included shall be the nonexclusive right to use the walkways located to the west of the Charles Quincy Clapp House between the Charles Quincy Clapp House and the McCallan-Sweat Mansion for access, ingress and egress to and from said parking area, the northerly side of Spring Street Arterial and the Charles Quincy Clapp House through the ground level door on the west side thereof, in common with Grantor, the Portland Museum of Art and their successors and assigns.

EXHIBIT A

A certain lot or parcel of land with the buildings thereon, situated on the westerly side of Maple Street in the City of Portland, County of Cumberland, and State of Maine, and being numbered 54 on said street and consisting of the southernmost part of a duplex brick dwelling house bounded and described as follows:

Commencing at a point on the westerly part of said Maple Street at a drill hole in the division wall in the center of said duplex brick dwelling house; thence westerly along said division line a distance of fifty-seven and five hundredths (57.05) feet to a wooden post and to land formerly of one John B. Brown; thence in a southerly direction and along said Brown land thirty-one (31) feet to an iron post and to land formerly of the patch heirs; thence in an easterly direction along line of said patch heirs a distance of sixty and five tenths (60.5) feet to said Maple Street; thence in a northerly direction along the westerly side of said Maple Street a distance of thirty-one and ninety-six hundredths (31.96) feet to the point of beginning. It is agreed between the parties hereto, their heirs and assigns, that the southernmost part of the above described land consisting of 4.8 feet frontage by 60.5 feet depth is to be used in common with premises located at 52 Maple Street.

Also another certain lot or parcel of land with the buildings thereon, situated in said Portland on the westerly side of said Maple Street and are numbered fifty-six (56) on said street according to the plans of the City of Portland, bounded and described as follows:

Beginning on the line of Maple Street at a point in the middle of the dividing wall of the block of two houses now on said lot; thence westerly through the middle of said wall fifty-four (54) feet, more or less, to land now or formerly of Henry Stephenson; thence northerly by said land now or formerly of said Henry Stephenson forty-three (43) feet; thence easterly to a point on Maple Street distant forty-two (42) feet four (4) inches from the corner of Maple Street and Pleasant Street; thence southerly on the line of Maple Street to the point of beginning.

Also another certain lot or parcel of land with the buildings thereon, situated on the easterly corner of Pleasant and Maple Streets in said Portland measuring forty-four (44) feet on said Pleasant Street and extending southeasterly on said Maple Street one hundred twelve (112) feet, and bounded easterly by land now or formerly of Dolly Thomas and southerly by land conveyed to Michael Kelly by Nathaniel D. Towne by warranty deed dated December 9, 1872, and recorded in said Registry of Deeds in Book 3338, Page 350. The premises are numbered 62-64 Pleasant Street and 53-61 Maple Street according to Valuation Plans of said City of Portland.

Meaning and intending to convey and hereby conveying the same premises conveyed to Grantor by deed of Stada Company dated December 13, 1979 and recorded in Cumberland County Registry of Deeds, Book 4547, Page 272.

APPENDIX D

Public Notice

NOTICE OF INTENT TO FILE

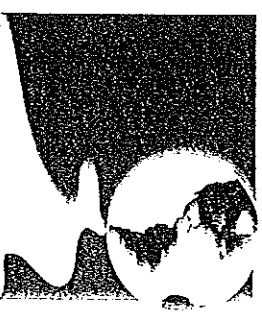
Please take notice that Maine College of Art, 97 Spring Street, Portland, Maine, Tel: (207) 775-3052, is intending on filing an application for an ABBREVIATED LICENSE with the Maine Department of Environmental Protection (DEP) pursuant to the provisions of Title 38 M.R.S.A., Section 1301, et seq. for a Precious Metal Recovery Unit on or about March 20, 2009. The application is for the treatment of spent fixer solution effluent from photographic development operations at the Baxter Building, located at 619 Congress Street in Portland.

A request for a public hearing or a request that the Board of Environmental Protection assume jurisdiction on this application, must be received by the Department, in writing, no later than 20 days after the application is accepted by the Department as complete for processing. Public comment on the application will be accepted throughout the processing of the application.

The application and supporting documentation are available for review at Department offices in Augusta, located in the Ray Building on the AMHI Complex off Hospital Street during normal working hours. A copy of the application and supporting documentation may also be seen at the municipal office in Portland, Maine.

Written public comments may be sent to Richard Kaselis at the Maine Department of Environmental Protection, Bureau of Remediation and Waste Management, 17 State House Station, Augusta, Maine 04333-0017.

846 Main St., Suite 3
Westbrook, Maine 04092
Telephone 207-591-7000
Facsimile 207-591-7329
info@stgermain.com



March 18, 2009

VIA CERTIFIED MAIL

Immanuel Baptist Church of Portland
156 High Street
Portland, ME 04101

RE: Maine College of Art
Baxter Building
619 Congress Street
Portland, Maine
St. Germain File No. 2550.1

Dear Neighbor:

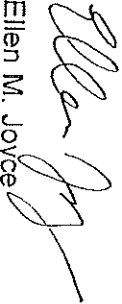
St. Germain and Associates, Inc., on behalf of Maine College of Art (MECA) is submitting a permit application to the Maine Department of Environmental Protection (DEP) for the treatment of spent photographic solution effluent from photographic development operations at the Baxter Building located at 619 Congress Street, Portland, Maine.

In accordance with DEP application requirements, MECA is providing this notification to all abutting property owners and to the City of Portland municipal office. Please refer to the enclosed "Public Notice of Intent to File".

If you have any questions, please contact us at (207) 591-7000.

Sincerely,

ST. GERMAIN & ASSOCIATES, INC.


Ellen M. Joyce
Project Manager

enclosure

cc: Douglas Doering, MECA

840 Main St., Suite 3
Westbrook, Maine 04092
Telephone 207-591-7000
Facsimile 207-591-7329
info@stgermain.com



March 18, 2009
VIA CERTIFIED MAIL

Burnham Arms, LLC
PO Box 2282
Scarborough, ME 04070

RE: Maine College of Art
Baxter Building
619 Congress Street
Portland, Maine
St. Germain File No. 2550.1

Dear Neighbor:

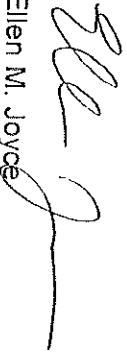
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In accordance with DEP application requirements, MECA is providing this notification to all abutting property owners and to the City of Portland municipal office. Please refer to the enclosed "Public Notice of Intent to File".

If you have any questions, please contact us at (207) 591-7000.

Sincerely,

ST. GERMAIN & ASSOCIATES, INC.


Ellen M. Joyce
Project Manager

enclosure

cc: Douglas Doering, MECA

840 Main St., Suite 3

Westbrook, Maine 04092

Telephone 207-591-7004

Facsimile 207-591-7329

info@stgermain.com



March 18, 2009

VIA CERTIFIED MAIL

Geoffrey I Rice
658 Congress Street, 1st Floor
Portland, ME 04101

RE: Maine College of Art
Baxter Building
619 Congress Street
Portland, Maine
St. Germain File No. 2550.1

Dear Neighbor:


St. Germain and Associates, Inc., on behalf of Maine College of Art (MECA) is submitting a permit application to the Maine Department of Environmental Protection (DEP) for the treatment of spent photographic solution effluent from photographic development operations at the Baxter Building located at 619 Congress Street, Portland, Maine.

In accordance with DEP application requirements, MECA is providing this notification to all abutting property owners and to the City of Portland municipal office. Please refer to the enclosed "Public Notice of Intent to File".

If you have any questions, please contact us at (207) 591-7000.

Sincerely,

ST. GERMAIN & ASSOCIATES, INC.


Ellen M. Joyce
Project Manager

enclosure

cc: Douglas Doering, MECA

APPENDIX E

Specifications of Metering Pump Package and Silver Recovery Unit

CPAC, INC.

2364 Leicester Road, P.O. Box 175
Leicester, New York 14481

METS™ A-101 & E-112

Environmental Treatment Systems for Reducing Silver Discharge

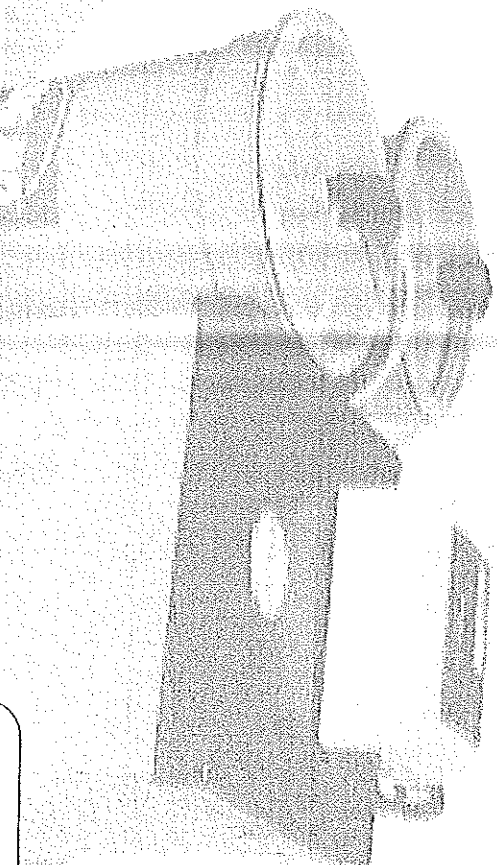
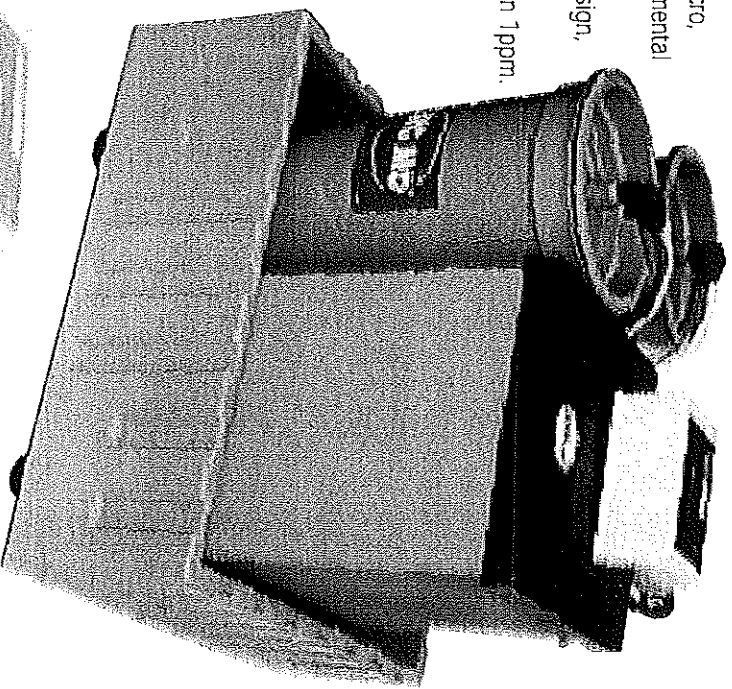
Mini Environmental Treatment Systems (METS) provide the simplest solution for environmental compliance.

CPAC's METS systems are designed to help mini, micro, and small professional photo labs meet tough environmental compliance regulations.

With their unique metering pump/collection tank design, METS are built to maximize silver recovery cartridge performance while reducing silver discharge to less than 1ppm.

Features & Benefits

- Simple to operate
- Maintenance-free
- Quick installation
- Universal bleach-fix & fixer compatibility
- Compact design
- Standard safety features
- Built-in 110% secondary containment

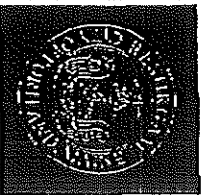


www.cpacequipment.com

EQUIPMENT

APPENDIX F

City of Portland Industrial Discharge Permit for Baxter Building



PORTLAND, MAINE

Strengthening a Remarkable City, Building a Community for Life www.portlandmaine.gov

Public Works Department
Michael J. Bobinsky, Director

January 26, 2006

Douglas Doering
Director of Facilities
Maine College of Art
619 Congress Street
Portland, ME 04101

RE: INDUSTRIAL DISCHARGE PERMIT

Dear Mr. Doering:

Thank you for submitting your Industrial Discharge Permit Request. We have reviewed your application for a Discharge Permit and it has been approved. Enclosed please find your Permit, which is valid for the period from, **January 26, 2006 to, April 1, 2008**, for your discharge from the Maine College of Art's Baxter Building at 619 Congress Street, Portland, Maine.

This permit is being issued subject to the testing of the wastewater from your facilities for the following parameters:

The permittee shall provide the City with results of the analysis for concentrations of **BOD, TSS, pH, Silver, and *TTOs** found in the industrial discharge as may be required by the monitoring schedule, (Section IV specified herein) or by the Director of the Department of Public Works. (See limits of these parameters in this permit).

Please note the following requirements in the permit:

*pH of less than 5.0 standard units is prohibited; any pH result of over 8.3 S.U. must be accompanied by a result for caustic (hydroxide) alkalinity from the same sample. Caustic alkalinity over 1000 mg/l is prohibited.

**The semi-annual Total Toxic Organics analysis requirement may be waived by submitting and updating a chemical management plan and submitting a certification statement along with your semi-annual Discharge Monitoring Report (DMR).

This permit is conditional upon submittal of a written Chemical Management Plan. This plan must specify the nature and quantity of chemicals used or stored at your facility, the method of disposal used instead of dumping into the sewer, and procedures for assuring these chemicals do not spill or leak into the wastewater. Your plan must include Material Safety Data Sheets and the following statement:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics, I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics in the wastewater has occurred. I further certify that this facility has implemented its Chemical Management Plan and submitted it to its control authority".

CITY OF PORTLAND



INDUSTRIAL WASTEWATER DISCHARGE PERMIT Maine College of Art (MECA) Baxter Building *Special Conditions*

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II. DUTY TO COMPLY

- A. All discharges authorized herein shall comply with the the City of Portland Rules and Regulations for use of the Wastewater System and the City of Portland's Sewer Use Ordinance (Section 24 of the City's Code of Ordinances) and with the terms and conditions of this permit. The discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit, the Sewer Use Ordinance and the Rules and Regulations for use of the Wastewater System shall constitute a violation of the terms and conditions of this permit. Such a violation may result in the imposition of penalties as provided for in the City of Portland Sewer Use Ordinance and the Rules and Regulations for use of the Wastewater System, and/or Federal Clean Water Act (PL 92-500 and its amendments).
- B. In addition, all permittees must comply with the Federal Pretreatment standards found in Title 40 of the Code of Federal Regulations Part 403 (typically referred to as 40 CFR Part 403). If the permittee is defined as a Categorical user, they must also comply with the applicable Federal Categorical Pretreatment standards.

III. FACILITY MODIFICATION

Modifications, additions, expansions and/or closures that cause a substantial change in the volume and/or character of wastewater discharged to the treatment works must be reported to the Director of the Department of Public Works, in care of the Pretreatment Coordinator, City of Portland, in writing, *at least forty-five (45) days prior to the proposed modification*. This permit may then be modified or reassessed to reflect such changes. No change in the permittee's discharge may be made unless reported to and approved by the Director. In no case shall new connections, increased flows, or significant changes in effluent quantity and/or quality be permitted if such will cause violation of the effluent limits specified herein.

IV. PERMIT MODIFICATION

- A. After notice and opportunity for a hearing as provided by Section 24-57 of the City's Code of Ordinances and/or Section 5.4 of the City of Portland Rules and Regulations for use of the Wastewater System, this permit may be modified, suspended, or revoked in whole or in part during its term for causes including the following:
1. Violation of any terms or conditions of this permit.
 2. Obtaining a permit by misrepresentation or failure to disclose fully all relevant facts.
 3. A change in conditions or the existence of a condition which requires either a temporary or permanent reduction or elimination of the authorized discharge.
 4. Promulgation of a more stringent pretreatment standard by State or Federal agencies having jurisdiction over receiving waters. Permits modified under this section may include implementation schedules, self-monitoring requirements, revised effluent limitations and other provisions necessary to assure compliance.

- B. **Revisions** - The Director of the Department of Public Works reserves the right to make appropriate revisions to this permit in order to establish any appropriate effluent limitations, schedule or compliance, or other provisions which may be authorized under Federal, State or City acts in order to bring all such discharges into compliance with these acts.

V. STATEMENT OF NON-TRANSFERABILITY

This permit may not be transferred to the permittee's successor or assigns. In the event of any change in control or ownership of the facility which is the source of the permitted discharge, the new owner shall be required to apply for a new permit for the discharge *at least sixty (60) days prior to the transfer*. This permit, upon such transfer, shall be void.

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- B. Slug discharges are prohibited.** A slug discharge is defined as any discharge of a non-routine, episodic nature, including, but not limited, to an accidental spill or a non-customary batch discharge. For the purpose of this permit, any discharge of wastewaters whose characteristics are identified in Section 24-47 (a) of the City's Code of Ordinances and / or Section 2.2 of the City of Portland Rules and Regulations for use of the Wastewater System shall be considered a slug discharge and require immediate notification of the Pretreatment Coordinator. (see Section XXVIII for notification requirements.)

C. General Prohibitions:

Any Industrial User may not introduce into the Publicly Owned Treatment Works (POTW) any pollutants which cause Pass Through or Interference.

1. Pass Through is defined as a discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the National Pollutant Discharge Elimination System (NPDES) permit (including an increase in the magnitude or duration of a violation).
2. Interference is defined as a discharge which, alone or in conjunction with a discharge or discharges from other sources, both:
 - (a) Inhibits or disrupts the POTW treatment processes or operations, or its sludge processes, use, or disposal; and
 - (b) therefore is a cause of a violation of any requirement of the POTW NPDES permit (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent state or local regulations): Section 405 of the Clean Water Act, The Solid Waste Disposal Act (SWDA) (including Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA)), (including State regulations contained in any State sludge management plan prepared pursuant to subtitle D of the SWDA), the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

D. Specific Prohibitions:

In addition, the following pollutants shall not be introduced into the POTW:

- (1) Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, waste streams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21.
- (2) Pollutants which will cause corrosive structural damage to the POTW, but in no case Discharges with pH lower than 5.0 standard units;
- (3) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;
- (4) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a Discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW.
- (5) Treat in amounts which will inhibit biological activity in the POTW resulting in Interference, but in no case heat in such quantities that the temperature at the POTW Treatment Plant exceeds 40 degrees C (104 degrees F).
- (6) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;
- (7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
- (8) Any trucked or hauled pollutants, except at discharge points designated by the POTW.

XV.

PRETREATMENT FACILITIES OPERATION

All pretreatment facilities shall be operated in a manner consistent with the City of Portland Sewer Use Ordinance, the Rules and Regulations for use of the Wastewater System and any applicable Federal, State, or local regulations and guidelines. The permittee shall at all times maintain in good working order and operate as efficiently as possible any facilities or systems of control installed or utilized to achieve compliance with the terms and conditions of this permit.

XVI.

SIGNATORY AUTHORIZATION

A. All reports shall be signed:

1. By a responsible corporate officer, if the permittee submitting the reports is a corporation. For the purpose of this paragraph, a responsible corporate officer means
 - (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs a similar policy or decision-making function for the corporation, or
 - (ii) the manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$2.5 million (in second-quarter 1997 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 2. By a general partner or proprietor if the permittee submitting the reports is a partnership or sole proprietorship respectively.
 3. By a duly authorized representative of the individual designated in paragraph 1. or 2. of this section if
 - (i) The authorization is made in writing by the individual described in paragraph 1 or 2;
 - (ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the Industrial Discharge originates, such as the position of plant manager, operator of a well, or well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and
 - (iii) the written authorization is submitted to the City's Pretreatment Coordinator.
 4. If an authorization under paragraph 3 of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of paragraph 3 of this section must be submitted to the City's Pretreatment Coordinator prior to or together with any reports to be signed by an authorized representative.
- B. Approved signatory authorization forms must be on file with the City's Pretreatment Coordinator.

XVII.

RECORDS RETENTION

All records and information resulting from any effluent monitoring activities, including all records of analyses performed, and calibration and maintenance of instrumentation and recordings from continuous monitoring and instrumentation shall be retained for a minimum of three (3) years.

- 3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of non-compliance.

Failure to make such notification may result in penalties; see Section XXII of this permit.

XXI. CONFIDENTIALITY

Records or information submitted to the City of Portland may be claimed to be confidential by the submitter. All such claims of confidentiality shall be handled in accordance with 40 CFR 403.14, to the extent permitted by Maine law.

XXII. PENALTIES FOR VIOLATION

A. From Section 24-56 of the City's Sewer Use Ordinance and / or Section 5.2 of the City of Portland Rules and Regulations for use of the Wastewater System

" Any person failing to comply with or violating any provision of this article shall be served by the public works authority with written notice stating the nature of the failure or violation and providing a reasonable time limit for the satisfactory correction thereof. Such person shall, within the period of time stated in such notice, permanently cease or correct all such failures or violations. Any person who shall continue any failure or violation beyond the time limit required for compliance in any notice given pursuant to this section shall be guilty of an offense. Any person violating any of the provisions of this article shall be liable to the city and shall be assessed a civil penalty of a minimum of one thousand dollars (\$1,000.00) per day for each violation of industrial pretreatment standards and requirements, and in addition, shall be liable for any expense, loss or damage occasioned by the city by reason of such violation. The city may seek injunctive relief for the purposes of enforcing this article."

B. In addition, violations of discharges, limits, and/or reporting due dates as established in this permit may cause the permittee to be placed in significant non-compliance with the Portland Water District and City of Portland's Pretreatment Program.

C. At least annually the City must provide public notification in the largest daily newspaper of all industrial discharge permittees who were classified as being in significant non-compliance during the previous twelve months. Publication costs to meet this requirement shall be reimbursed to the city as part of the permit issuance fee as provided in Section 24-50 of the City's Sewer Use Ordinance.

XXIII. COST REIMBURSEMENT

The permittee shall reimburse the Portland Water District, the City of Portland and their agents for expenditures incurred for the special handling, monitoring, treatment or disposal of the wastewater from their facility. This includes, but is not limited to, additional costs for maintaining the treatment plant, additional costs for disposal of sewage sludge and costs of additional wastewater monitoring and analyses as long as these costs are attributable to the wastewater discharge of the permittee.

V. REPORTING DUE DATES

- A. Results of the required analyses shall be reported to the City of Portland's Director of the Department of Public Works, in care of the Pretreatment Coordinator on a Quarterly basis, at a minimum. These **REPORTS SHALL BE DUE, APRIL 1, AND OCTOBER 1 OF EACH YEAR COVERED BY THIS PERMIT.**
- B. Reports shall include, at a minimum, complete and signed discharge monitoring report forms (available from the Pretreatment Coordinator), actual approved laboratory analysis reports from all laboratories involved, wastewater flow information, properly completed chain(s) of custody, and a certification statement regarding total toxic organics and chemical management.

VI. NOTIFICATION OF VIOLATION/RESAMPLING REQUIREMENTS

- A. If the results of any analyses performed for (or by) the permittee indicates a violation of a discharge limit noted in this permit or the City's Code of Ordinances, the permittee shall notify the City's Pretreatment Coordinator *within twenty-four (24) hours* of becoming aware of the potential violation. The telephone number is (207) 874-8843.
- B. *The permittee must resample immediately* and submit the repeat analysis results to the Director of the Department of Public Works, in care of the Pretreatment Coordinator *within thirty (30) days* of becoming aware of any discharge violation. Please note that a regularly scheduled monitoring report will not generally be accepted as a resampling report. Resampling is required to help determine if the original violation represents a pattern, or a one-time excursion. Therefore resampling must occur as soon as possible after a violation has been noted.

VIII. COMPLIANCE MONITORING REPORTS

Each report submitted by the permittee shall indicate the precise nature and concentrations of the regulated pollutants in its discharge to the Portland sewer system, the average and maximum daily flow rates from each industrial process discharge, methods used to sample and analyze the data, and a certification that these methods conform with 40 CFR Part 136 or equivalent methods approved by EPA.

All private laboratory reports submitted to the City of Portland shall include chain of custody information documenting each person involved in the possession of the sample(s) from the person who collected the sample(s) to the person who analyzed the sample(s) in the laboratory.

All compliance discharge reports shall be signed by a responsible official, either an owner, corporate manager or department manager who supervises more than 250 employees. One of these may also appoint any other company representative to be authorized to sign the reports, but must do so with written notice to the City of Portland

IX. PERMIT TERMS ACCEPTANCE CLAUSE

Maine College of Art (Baxter Building) shall be deemed to agree to all of the terms of this permit upon its acceptance of this permit.