


MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
PRODUCT NAME: Mitsubishi Imaging ClassicPoly Activator Concentrate		DATE: March 9,2012			
PRODUCT NUMBER: CP-AC		DATE: March 9,2012			
TRADE NAME: Mitsubishi Imaging ClassicPoly Activator Concentrate GENERAL USE: Activator for ClassicPoly Plates CHEMICAL FAMILY: Mixture, Inorganic and organic bases. PRODUCT DESCRIPTION: Clear colorless solution, odorless.					
MANUFACTURER Mitsubishi Imaging (MPM), Inc.		DATE PREPARED: March 9,2012 SUPERSEDES: April 8,2011			
ADDRESS (NUMBER, STREET, P.O. BOX) 555 Theodore Fremd Avenue		TELEPHONE NUMBER FOR INFORMATION / Customer Service (914) 925-3200			
(CITY, STATE AND ZIP CODE) Rye, NY 10580		COUNTRY USA		Chemtrec 24-HOUR EMERGENCY TELEPHONE NUMBER 1-800-424-9300 01-703-527-3887 North America Toll Free International	
SECTION 2 - HAZARDOUS INGREDIENTS					
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Potassium Hydroxide (a,b)	5-10	1310-58-3	215-181-3	C+	R-35
Sodium Hydroxide (a,b)	1 - 5	1310-73-2	215-185-5	C+	R-35
n-Aminoethyl Ethanolamine	1-5	111-41-1	203-867-5	C, Xn	R-21/22, 34, 43
Sodium Sulfite	1.0-10.0	7757-83-7	231-821-4	NE	NE
(a) See Section 15 (b) A "C" in the OSHA PEL or ACGIH TWA column indicates ceiling limits, the concentration that should not be exceeded during any part of the working exposure. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.					
NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 91/155/EEC. Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.					
SECTION 3 - HAZARDS IDENTIFICATION					
EMERGENCY OVERVIEW					
Corrosive alkaline liquid, moderately toxic, contact with eyes or skin may cause chemical burns and severe irritation. Ingestion may cause gastric distress and chemical burns to the digestive tract. Hazard symbols for this product - C Risk Phrases - R 34, 36/37/38					
POTENTIAL HEALTH EFFECTS					
INHALATION:					
Corrosive and irritating to upper respiratory tract and mucous membranes.					
SKIN:					
Corrosive and irritating. Chemical burns may result from contact. Severe irritant.					
EYES:					
CORROSIVE: Contact with eyes is painful and irritating and will cause chemical burns permanent corneal damage and blindness.					
INGESTION:					
Drink large quantities of water or milk. DO NOT induce vomiting. Seek medical attention immediately.					
CARCINOGENICITY:					
NTP? NO		IARC MONOGRAPHS? NO		OSHA REGULATED? NO	
CALIFORNIA, Prop.65? NO				ESIS NOTATION? NO	

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SECTION 4 - FIRST AID MEASURES

INHALATION:	Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.
EYES:	Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.
SKIN:	Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.
INGESTION:	Drink two glasses of water followed by milk, milk of magnesia or other non-alcoholic liquids; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:	Product is corrosive. Products of combustion include compounds of carbon, hydrogen, nitrogen, sulfur and oxygen, including Carbon Monoxide. Product is not flammable.
EXTINGUISHING MEDIA:	Carbon Dioxide, water, water fog, dry chemical, chemical foam to fight surrounding fire.
FIRE FIGHTING PROCEDURES:	Keep containers cool with water spray to prevent container rupture due to steam buildup. CAUTION - material is caustic and corrosive. Firefighters must wear full protective turnout gear with SCBA respirator when fighting fires involving this product.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon, nitrogen, sulfur dioxide, sodium oxide, potassium oxide, hydrocarbons, fumes, and smoke may be produced.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements.
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SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Separate from oxidizing materials, metallic powders and other easily oxidized organic materials and reducing agents. CAUTION- material is corrosive. Keep this and other chemicals out of reach of children.
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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Potassium Hydroxide (a,b)	NE	2C	NE	NE	NE	2C	NE	2C
Sodium Hydroxide (a,b)	NE	2C	NE	NE	NE	2C	NE	2C
n-Aminoethyl Ethanolamine	NE	NE	NE	NE	NE	NE	NE	NE
Sodium Sulfite	NE	NE	NE	NE	NE	NE	NE	NE

(b) A "C" in the OSHA PEL or ACGIH TWA column indicates ceiling limits, the concentration that should not be exceeded during any part of the working exposure.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION Continued

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES:

Neoprene or rubber gloves with cuffs.

EYE PROTECTION:

Protective eyeglasses or chemical safety goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Coveralls, apron, or other equipment should be worn to minimize skin contact.

WORK / HYGIENIC PRACTICES:

Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Clear colorless solution, odorless.	VAPOR PRESSURE NE
pH 13.6	SPECIFIC GRAVITY (WATER = 1) 1.09
BOILING POINT / BOILING RANGE 212°F	SOLUBILITY IN WATER Complete
FLASH POINT Non-Flammable	VISCOSITY Not Specified
FLAMMABLE LIMITS LEL: NA UEL: NA	VAPOR DENSITY (AIR = 1) > 1
AUTO-IGNITION TEMPERATURE ND	EVAPORATION RATE (WATER = 1) < 1

VOLATILE ORGANIC COMPOUND (VOC) INFORMATION

0 lb/gal, There are no known Volatile Organic Compounds (VOCs) in this product.)

SECTION 10 - STABILITY AND REACTIVITY






STABILITY Stable under normal conditions of use.	CONDITIONS TO AVOID: Extreme temperatures.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, reactive metals , Strong oxidizers.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, nitrogen, sulfur dioxide hydrocarbons, fumes, and smoke may be produced under fire conditions.	
HAZARDOUS POLYMERIZATION: Will Not Occur.	CONDITIONS TO AVOID: None Related to Polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Potassium Hydroxide (a,b)	1310-58-3	273 mg/kg	NE
	215-181-3		
Sodium Hydroxide (a,b)	1310-73-2	40 mg/kg (IPR, Mouse)	NE
	215-185-5		
n-Aminoethyl Ethanolamine	111-41-1	3000 mg/kg	NE
	203-867-5		
Sodium Sulfite	7757-83-7	3560 mg/kg	NE
	231-821-4		

Do not allow undiluted and/or large quantities of product to enter sewage systems or reach ground water or bodies of water.

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PRODUCT NAME: Mitsubishi Imaging ClassicPoly Activator Concentrate		
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SECTION 12 - ECOLOGICAL INFORMATION		
No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.		
SECTION 13 - DISPOSAL CONSIDERATIONS		
WASTE DISPOSAL METHOD: According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used. Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for acidic materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.		
SECTION 14 - TRANSPORT INFORMATION		
PROPER SHIPPING NAME: Corrosive liquid, N.O.S. (Sodium Hydroxide, Potassium Hydroxide, Ethanolamine)		
DOT HAZARD CLASS / Pack Group: 8 / III REFERENCE: 49CFR 173.154, 203, 241 UN / NA IDENTIFICATION NUMBER: UN3266 LABEL: CORROSIVE HAZARD SYMBOLS: 	IATA HAZARD CLASS / Pack Group: Pack Group: 8 / III IMDG HAZARD CLASS: 8 / III RID/ADR Dangerous Goods Code: 8 UN TDG Class / Pack Group: UN 1760, 8 / III Hazard Identification Number (HIN): 80	
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.		
SECTION 15 - REGULATORY INFORMATION		
TSCA (USA - Toxic Substance Control Act): All components of this product are listed.		
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act): Immediate health. Acute health: YES.		
SARA 313 REPORTABLE INGREDIENTS: None		
CERCLA (USA - Comprehensive Response Compensation and Liability Act): Sodium Hydroxide, Potassium Hydroxide 1000lbs RQ.		
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: None listed.		
CPR (Canadian Controlled Products Regulations):	WHMIS Classification: E, D2B  	
IDL (Canadian Ingredient Disclosure List): Listed.		
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations.		
EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced.		
WGK Water Quality Index: 1	VbK Index: NA	
RISK PHRASES: R35: Causes severe burns.	SYMBOL(S) REQUIRED FOR EU/GHS LABEL   C+ - Corrosive	SAFETY PHRASES: S2: Keep out of the reach of children. S24/25: Avoid contact with skin and eyes. S28: After contact with skin, wash immediately with plenty of soap and water.

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SECTION 16 - OTHER INFORMATION

Legend:

- ACGIH - American Congress of Government Industrial Hygienists**
- CAS - Chemical Abstracts Service**
- EINECS - European Inventory of Existing Commercial Chemical Substances**
- HMIS - Hazardous Materials Identification System**
- IARC - International Agency for Research on Cancer**
- NA - Not Available**
- ND - Not Determined**
- NE - Not Established**
- NR - Not Reported**
- NIOSH - National Institute for Occupational Safety and Health**
- NTP - National Toxicology Program**
- OSHA - Occupational Safety and Health Administration**

HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	2 0 0 C	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
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REVISION SUMMARY:
 New issue 4/8/2011 to USA(ANSI), EU, CANADA, Standards. Corrected Section 14 3/9/12.

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.