


MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SDP-EST II		DATE: February 18, 2009	
PRODUCT NUMBER:			
TRADE NAME: SDP-EST II GENERAL USE: Stabilizer for SDP ECO - SYSTEM CHEMICAL FAMILY: Blend PRODUCT DESCRIPTION: Liquid product.			
MANUFACTURER Mitsubishi Imaging (MPM), Inc.		DATE PREPARED: February 18, 2009	
ADDRESS (NUMBER, STREET, P.O. BOX) 555 Theodore Formed Avenue		SUPERSEDES: New Issue.	
(CITY, STATE AND ZIP CODE) Rye, NY 10580		TELEPHONE NUMBER FOR INFORMATION / Customer Service (914) 925-3200	
COUNTRY USA		24-HOUR EMERGENCY TELEPHONE NUMBER	
		Chemtrec 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)
Triethanolamine 90%	0.5-2.0	102-71-6	203-049-8	Xi	R36
Sodium Bisulfite	0.1-1.0	7631-90-5	231-548-0	XN	R22, R31
Phosphoric Acid 85%	0.1-1.0	7664-38-2	231-633-2	Xi	R36/38

NOTES: Note: 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
Mildly acidic, mildly irritant liquid.

POTENTIAL HEALTH EFFECTS

INHALATION:
Mildly irritant to respiratory system. Not expected to cause severe discomfort in normal use.

SKIN:
Mildly irritant to skin . Not expected to cause severe discomfort in normal use.

EYES:
Capable of causing eye irritation.

INGESTION:
Irritating to digestive tract. May cause gastric distress, stomach pains, and vomiting.

CARCINOGENICITY:

NTP? NO	IARC MONOGRAPHS? NO	OSHA REGULATED? NO
CALIFORNIA, Prop.65? NO		ESIS NOTATION? NO

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:
Administer large quantities of water or milk to conscious person. DO NOT induce vomiting. Seek medical attention immediately.

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SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
 Product is not combustible. Under fire conditions some gases and fumes may be harmful due to product degradation by heat.

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 None

HAZARDOUS COMBUSTION PRODUCTS:
 Oxides of carbon, sulfur, nitrogen, phosphorous, 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. Notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 Keep container closed when not in use. Protect containers from abuse and extreme temperatures. Separate from oxidizing materials, metallic powders and other easily oxidized organic materials and reducing agents. Keep this and other chemicals out of reach of children.

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
Triethanolamine 90%		NE				5	NE	NE
Sodium Bisulfite		5				5	NE	NE
Phosphoric Acid 85%		1		1000 IDLH		1		1

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 .

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 Liquid product	VAPOR PRESSURE NE
pH 5.7 at 25°C	SPECIFIC GRAVITY (WATER = 1) 1.040 at 25°C
BOILING POINT / BOILING RANGE NR	SOLUBILITY IN WATER Complete
FLASH POINT Non-Flammable	VISCOSITY Not Specified
FLAMMABLE LIMITS LEL: NA UEL: NA	VAPOR DENSITY (AIR = 1) NR
AUTO-IGNITION TEMPERATURE ND	EVAPORATION RATE (WATER = 1) NR

VOLATILE ORGANIC COMPOUND (VOC) INFORMATION
 There are no known Volatile Organic Compounds (VOCs) in this product.

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SECTION 10 - STABILITY AND REACTIVITY

STABILITY STABLE X **CONDITIONS TO AVOID:** Extreme temperatures.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids, strong alkalies.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
 Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, sulfur, phosphorous, hydrocarbons, fumes, and smoke may be produced.

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)
Triethanolamine 90%	102-71-6	Oral, rabbit: LD50 = 2200 mg/kg Oral, rat: LD50 = 4920 uL/kg	NE
	203-049-8		
Sodium Bisulfite	7631-90-5	Oral, rat: LD50 = 2 gm/kg.	NE
	231-548-0		
Phosphoric Acid 85%	7664-38-2	Oral, rat: LD50 = 1.25 gm/kg Oral, mouse: LD50 = 1.25 gm/kg	Inhalation, mouse: LC50 = 25.5 mg/m3
	231-633-2		

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

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 organic materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not regulated

DOT HAZARD CLASS / Pack Group:	IATA HAZARD CLASS / Pack Group: None
REFERENCE: 49 CFR 173.154, .203, .241	IMDG HAZARD CLASS: None
UN / NA IDENTIFICATION NUMBER: None	RID/ADR Dangerous Goods Code: NA
LABEL:	UN TDG Class / Pack Group: NA
HAZARD SYMBOLS: None required.	Hazard Identification Number (HIN): NA

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.

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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):
 Acute Health: **NO** Chronic Health: **NO** Reactive: **NO**
 Fire: **NO** Sudden Release of Pressure: **NO**

SARA 313 REPORTABLE INGREDIENTS: None

CERCLA (USA - Comprehensive Response Compensation and Liability Act): **CAS# 7631-90-5: 5000 lb final RQ; 2270 kg final RQ.**
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **No**

CPR (Canadian Controlled Products Regulations): **This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.**

IDL (Canadian Ingredient Disclosure List): **Listed.**
 DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **Ingredients are listed on the CDSL and NDSL lists.**
 EINECS (European Inventory of Existing Commercial Chemical Substances): **Referenced.**
 WGK Water Quality Index: **1 (estimate)**

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU/GHS LABEL	SAFETY PHRASES:
R22: Harmful if swallowed R31: Contact with acids liberates toxic gas. R36/38: Irritating to eyes and skin.	 Harmful/Irritant 	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. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36: Wear eye and face protection. S 46 If swallowed, seek medical advice immediately and show this container or label.

SECTION 16 - OTHER INFORMATION

Legend: NA-Not Applicable, NE- Not Established, NR- Not reported, ND- Not Determined.

ACGIH - American Congress of Government Industrial Hygienists	CAS - Chemical Abstracts Service
EINECS - European Inventory of Existing Commercial Chemical	HMIS- Hazardous Materials Identification System
IARC - International Agency for Research on Cancer	NTP- National Toxicology Program
NIOSH - National Institute for Occupational Safety and Health	OSHA - Occupational Safety and Health Admin.

HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	1 0 0 C	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
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REVISION SUMMARY: New Issue to GHS/EU protocols 2/18/2009.--JTV--

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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.