MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Mitsubishi SDP - α OH Plate Preserver**
PRODUCT NUMBER: **DATE:** **July 20, 2009**

TRADE NAME: Mitsubishi SDP - α OH Plate Preserver

GENERAL USE: Plate preserver for SDP - α System

CHEMICAL FAMILY: Petroleum distillate

PRODUCT DESCRIPTION:
White opaque liquid, characteristic petroleum odor

Mitsubishi Imaging (MPM), Inc.

MANUFACTURER
Mitsubishi Paper Mills Ltd.

ADDRESS (NUMBER, STREET, P.O. BOX)
4-2 Marunouchi 3-Chome

(CITY, STATE AND ZIP CODE) COUNTRY
Chiyoda-ku, Tokyo 100-005 **Japan**

DISTRIBUTOR
Mitsubishi Imaging (MPM), Inc.

ADDRESS (NUMBER, STREET, P.O. BOX)
555 Theodore Fremd Avenue

(CITY, STATE AND ZIP CODE) COUNTRY
Rye, NY 10580 **USA**

DATE PREPARED: **July 20, 2009**
SUPERSEDES: **August 14, 2007**

TELEPHONE NUMBER FOR INFORMATION / Customer Service
03-3213-3641

Chemtrec 24-HOUR EMERGENCY TELEPHONE NUMBER
1-800-424-9300 North America Toll Free
01-703-527-3887 International

TELEPHONE NUMBER FOR INFORMATION / Customer Service
(914) 925-3200

Chemtrec 24-HOUR EMERGENCY TELEPHONE NUMBER
1-800-424-9300 North America Toll Free
01-703-527-3887 International

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Petroleum distillate, aromatic	**20-30**	**64742-94-5**	**265-198-5**	**Xn, N**	**R-51/53, 65, 66, 67**

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

White opaque combustible liquid, potentially hazardous vapors. Can cause serious or fatal complications if swallowed. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas. Hazard symbols for this product - Xn, N Risk Phrases - R 51/53, 65, 66, 67

POTENTIAL HEALTH EFFECTS

INHALATION:

High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

SKIN:

Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis.

EYES:

High vapor concentration or contact may cause irritation and discomfort.

INGESTION:

May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema or death.

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; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

EYES:

Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention.

SKIN:

Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

INGESTION:

DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:

Product is combustible. FLASH POINT IS 145.4ºf (63ºC) TCC. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA:

Carbon Dioxide, water, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES:

Keep containers cool with water spray to prevent container rupture due to pressure buildup. Caution - material is combustible!

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers can explode due to buildup of pressure when exposed to extreme heat.

HAZARDOUS COMBUSTION PRODUCTS:

Smoke, fumes, oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuate and ventilate area; remove all sources of sparks, ignition and open flames; confine and absorb into approved absorbent; place material into approved containers for disposal; do not wash to sewer or waterway.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

This material is combustible. It should be stored in tightly closed containers in a cool, well ventilated area. Vapor may form explosive mixtures in air. All sources of ignition should be controlled. Keep this and other chemicals out of reach of children. Avoid inhaling concentrated fumes or vapors.

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)
Petroleum distillate, aromatic	**400**				**400**		**NE**	

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

None required while threshold limits 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 gloves, nitrile 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:

Safety eyewash station nearby.

WORK / HYGIENIC PRACTICES:

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

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR **White opaque liquid, characteristic petroleum odor**	VAPOR PRESSURE **17 mm Hg @ 20° C**
pH **4.8 ± 0.2**	SPECIFIC GRAVITY (WATER = 1) **1.031 ± 0.005**
BOILING POINT / BOILING RANGE **212° F (100° C)**	SOLUBILITY IN WATER **Emulsifies**
FLASH POINT **145.4ºF (63ºC) TCC**	VISCOSITY **Not Specified**
FLAMMABLE LIMITS LEL: **NE** UEL: **NE**	VAPOR DENSITY (AIR = 1) **> 1**
AUTO-IGNITION TEMPERATURE **ND**	EVAPORATION RATE (WATER = 1) **< 1**

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

SECTION 10 - STABILITY AND REACTIVITY

STABILITY STABLE **X**	CONDITIONS TO AVOID: **Extreme temperatures. Open flames , other sources of ignition.**

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

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, 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)
Petroleum distillate, aromatic	**64742-94-5** **265-198-5**	**NE**	**Inhalation, rat: LC50 = >590 mg/m3/4H**

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: **Combustible liquid, n.o.s. (petroleum distillates, aromatic): Not regulated for ground transport in containers < 120 gallons.**

DOT HAZARD CLASS / Pack Group: **Combustible / III**	IATA HAZARD CLASS / Pack Group: **NA**
REFERENCE: **49 CFR 173.150, .203, .241**	IMDG HAZARD CLASS: **NA**
UN / NA IDENTIFICATION NUMBER: **NA 1993**	RID/ADR Dangerous Goods Code: **NA**
LABEL: **None Required**	UN TDG Class / Pack Group: **NA**
HAZARD SYMBOLS: **None**	Hazard Identification Number (HIN): **30**

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): **Immediate health.**

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

SARA 313 REPORTABLE INGREDIENTS: **None**

CERCLA (USA - Comprehensive Response Compensation and Liability Act): **None**

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **None**

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 the information required by the Controlled Products Regulations. WHMIS Classification: 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: **A III**

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU/ GHS LABELS	SAFETY PHRASES:
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. **R65 Damaging to lungs when swallowed** **R66 Repeated exposure may cause skin dryness or cracking.** **R67 Vapors may cause drowsiness and dizziness.**	 **Xn - Harmful** **N- Dangerous for the environment**	**S2 : Keep out of the reach of children.** **S23 Do not breathe vapor.** **S24 Avoid contact with skin.** **S61 Avoid release to the environment. Refer to special instructions/safety data sheets.** **S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this label.**

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:	**1**	0 = INSIGNIFICANT
	FLAMMABILITY:	**0**	1 = SLIGHT
	PHYSICAL HAZARD:	**0**	2 = MODERATE
	PERSONAL PROTECTIVE EQUIPMENT:	**C**	3 = HIGH
			4 = EXTREME

REVISION SUMMARY: Revised to EU/GHS/ANSI protocols 7/17/2009 supersedes 8/14/2007 issue. --JTV--

MSDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0585
Website: www.chemtelinc.com

ChemTel INC. ™