

SECTION I

CATALOGUE NUMBER: 60-18612-003  
 PRODUCT NAME: MITSUBISHI SILVER MASTER DELETION FLUID SLM-0E  
 MANUFACTURER: Mitsubishi Paper Mills Ltd. 4-2 Marunouchi, 3 Chome Chiyoda-ku Tokyo Japan  
 PRODUCT INFORMATION: (212)-980-9644  
 EXPOSURE or ACCIDENT EMERGENCY (24 HOUR): CHEMTREC (800) 424-9300

MSDS REVISED AS OF: 06/01/90

\*\* THIS PRODUCT CONTAINS TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372. SEE SECTION II.

SECTION II: COMPONENT AND REGULATORY INFORMATION

COMPONENTS & (REGULATORY LISTS)	CAS REG. NO.	OSHA PEL	ACGIH TLV	% WT.
Water	7732-18-5	N/A	N/A	60-100
Syloid 308	63231-67-4	(TWA) 80 mg/m3	(TWA) 10 ppm	1-5
Thiomalic Acid	70-49-5	N/A	N/A	1-5
Hydrochloric Acid	7647-01-0	N/A	C 7 mg/m3	1-5
** Methanol (A,E)	67-56-1	(TWA) 260 mg/m3	(TWA) 260 mg/m3	1-5

\* CEILING VALUE (TWA) - TIME WEIGHTED AVERAGE N/A - NOT APPLICABLE

REGULATORY LISTS FOR APPLICABLE COMPONENTS

- A - CERCLA HAZARDOUS SUBSTANCE LIST
- B - SARA TITLE III EXTREMELY HAZARDOUS SUBSTANCE LIST (SECTION 302)
- C - SARA TITLE III TOXIC CHEMICAL LIST (SECTION 313)
- D - CALIFORNIA (PROP. 65) LIST OF CANCER CAUSING SUBSTANCES
- E - RESOURCE CONSERVATION AND RECOVERY ACT HAZARDOUS WASTE LIST

SECTION III: PHYSICAL DATA

pH: 1.0  
 SPECIFIC GRAVITY: 1.11  
 BOILING POINT: Not Available  
 % VOLATILITY: 60-100 as Water.  
 APPEARANCE AND ODOR: Pink opaque liquid, slight skunk odor.

SOLUBILITY IN WATER: Completely soluble.  
 EVAPORATION RATE: Not Available  
 VAPOR PRESSURE: Not Available  
 VAPOR DENSITY: Not Available

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): None  
 FLAMMABLE LIMITS - LEL: N/A UEL: N/A  
 EXTINGUISHING MEDIA: Any applicable to the primary cause of fire.  
 SPECIAL FIREFIGHTING PROCEDURES: Evacuate personnel to a safe area. Firefighters should wear self-contained breathing apparatus.  
 UNUSUAL FIRE HAZARDS: Excessive heat may generate sulfur fumes.

SECTION V: REACTIVITY

STABILITY: Stable CONDITIONS TO AVOID: None  
 INCOMPATIBILITY (AVOID): None  
 HAZARDOUS DECOMPOSITION PRODUCTS: None  
 POLYMERIZATION: Does not polymerize. CONDITIONS TO AVOID: None

SECTION VI: SPILL AND DISPOSAL INFORMATION

S P I L L S

Use appropriate protective equipment. Dike the spill and soak up with absorbant material. Prevent liquid from entering sewers or waterways.

W A S T E D I S P O S A L

Discharge to sewer requires the approval of permitting authority and may require pretreatment. Incineration requires a permitted incinerator. Landfill disposal requires a permitted landfill. Treatment, storage, transportation, and disposal must be in accordance with Federal, State, and Local Regulations.

SECTION VII: HEALTH HAZARD AND FIRST AID INFORMATION

EXPOSURE EFFECTS:

EYE CONTACT: Irritation possible.

SKIN CONTACT: Irritation possible.

INGESTION: Irritation to mouth, throat, stomach, and gastrointestinal tract.

INHALATION: Weakness, gasping respiration.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No medical conditions known to be aggravated by exposure to this product.

CARCINOGENICITY: None of the chemicals used in this product are listed on NTP, IARC, or OSHA listings of carcinogens.

FIRST AID:

EYE: Flush continuously with large amounts of water for at least 15 minutes; forcibly hold eyelids apart to insure irrigation of all eye and lid tissues. Seek prompt medical attention.

SKIN: Thoroughly wash the exposed area with soap and water. Remove contaminated clothing and shoes. Launder clothing before reuse. Destroy contaminated shoes.

INGESTION: If conscious, give 2 glasses of water. Do not induce vomiting. Obtain prompt medical attention.

INHALATION: Remove individual to fresh air. If breathing is difficult, administer oxygen. Keep individual warm and quiet. Seek prompt medical attention.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use a NIOSH approved cartridge respirator in poorly ventilated areas.

VENTILATION RECOMMENDED: 10 room volumes per hour is adequate ventilation under normal conditions.

PROTECTIVE EQUIPMENT RECOMMENDED: Chemical splash goggles, latex or neoprene gloves, lab coat, and eye wash station.

SECTION IX: SPECIAL PRECAUTIONS

STORAGE AND HANDLING PRECAUTIONS: Store in a well ventilated area. Keep container tightly capped when not in use. Do not store food, drink, or tobacco in areas where contamination could occur with this product.

OTHER PRECAUTIONS: Avoid breathing vapors or mists. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not take internally. Keep out of reach of children.

SECTION X: NFPA RATING

HEALTH - 2 FLAMMABILITY - 0 REACTIVITY - 0

SECTION XI: DOT INFORMATION

DOT SHIPPING NAME: Hydrochloric Acid Solution  
HAZARD CLASS: Corrosive Material  
ID #: NA 1789

  
7/11/90