

MATERIAL SAFETY DATA SHEET

CODE: M/L 136

This Material Safety Data Sheet complies with the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

**PRODUCT:
LENOX® STERLING® WATER SOLUBLE FLUX**

NFPA/HMIS HAZARD CODES: HEALTH: 1/1 FIRE: 0/0 REACTIVITY: 0/0 SPECIAL: N/A

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION I IDENTIFICATION

MANUFACTURER NAME: LENOX®
1690 Lowery Street
Winston-Salem, NC 27101
336-777-8600

ISSUE DATE: October, 2004

SECTION II COMPOSITION INFORMATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>US OSHA PEL</u>	<u>%</u>
Hydrochloric Acid	7647-01-0	5PPM	3-6
Zinc Chloride	7646-85-7	1PPM	1-3

SECTION III HEALTH HAZARDS

EYES: Flush with water for 10 minutes. Obtain immediate medical attention.

SKIN: Wash thoroughly with water. If irritation develops, obtain medical attention.

ACUTE INHALATION: Remove to fresh air or administer oxygen. Obtain immediate medical attention.

INGESTION: Give water or milk. Obtain immediate medical attention.

PRIMARY ROUTES OF ENTRY: Fume inhalation, ingestion, skin and eyes.

SYMPTOMS OF OVEREXPOSURE: Salivation, coughing, choking, chills, may cause weight loss, brittle bones, anemia, and stiff joints.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE: Any weakness of the lungs, kidneys or liver will be aggravated.

CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN: None

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Not needed

AUTO IGNITION TEMPERATURE: None

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: Fluoride fumes

SECTION V ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:
Clean up paste and dilute/flush remaining materials with excess of water.

SECTION VI HANDLING AND STORAGE

STORAGE REQUIREMENT: Store in plastic containers in cool area, away from heat. Do not store in metal container. Wash thoroughly after use.

HANDLING PRECAUTIONS: Safe precautionary practices - avoid spills and exposure to skin and fume.

SECTION VII CONTROL MEASURES

RESPIRATORY PROTECTION (TYPE):	NIOSH approved respirator
MECHANICAL (GENERAL):	Yes
EYE PROTECTION:	Safety glasses/goggles
PROTECTIVE GLOVES:	Recommended
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Optional to user's preference.
VENTILATION:	Yes
LOCAL EXHAUST:	Yes

SECTION VIII PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT:	104°C	SPECIFIC GRAVITY (WATER=1):	.97
VAPOR PRESSURE (mm Hg):	N/A	PERCENT VOLATILE BY VOLUME:	64%
VAPOR DENSITY (AIR=1):	N/A	EVAPORATION RATE (BUTYL ACETATE=1):	0.6
MELTING POINT:	0°C	SOLUBILITY IN WATER:	Moderate
REACTIVITY IN WATER:	None	APPEARANCE AND ODOR:	White, odorless paste

SECTION IX STABILITY AND REACTIVITY

STABILITY:	Product is stable
(CONDITIONS TO AVOID):	Metals
INCOMPATIBILITY:	Alkaline, strong oxidizing or reducing materials, cyanides or combustible materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	HCl, zinc chloride, zinc oxide, ammonium fume
HAZARDOUS POLYMERIZATION:	Will not occur
(CONDITIONS TO AVOID):	Excessive heat or cold

SECTION X TRANSPORTATION AND DISPOSAL CONSIDERATIONS

D.O.T. PROPER SHIPPING NAME:	Non-hazardous
WASTE DISPOSAL METHOD:	Dispose of in accordance with EPA regulations

SECTION XI OTHER INFORMATION

VOC CONTENT: None

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