

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, 2007

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

This Material Safety Data Sheet is offered solely for your information, consideration and investigation. LENOX® provides no warranties, either express or implied, and assumes no responsibilities for the accuracy or completeness of the data contained in this document. The data in this Material Safety Data Sheet relates only to this product and does not relate to use in combination with any other material or in any process.