

Part Number(s): LNC3

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Identifier:

Lectroetch LNC-3 Electrolyte

Supplier Name: Sterling Marking Products Inc.
 Street Address: 349 Ridout St. N.,
 City and Province: London, Ontario
 Postal Code: N6A 2N8
 Manufacturer Name: The Lectroetch Company
 Street Address: 5342 Evergreen Parkway
 City and State: Sheffield, OH
 ZIP code: 44054

Telephone Numbers: (519) 434-5785, (800) 265-5957
 Fax Number: (519) 434-9516, (800) 667-6600
 Webpage: <http://www.sterling.ca>
 E-Mail: sales@sterling.ca
 Telephone Number: (440) 934-1249

Emergency Telephone Number: CANUTEC (613) 996-6666; Cellular *666

Material Use: Ink

TDG Shipping Information:

Not Regulated

WHMIS Classification:

Class D, Division 2B – Skin/eye Irritant

SECTION II - HAZARDOUS INGREDIENTS

Component	CAS Registry	Toxicology	Concentration % (w/w)
Chloride Etchant		TLV: Not Available L _D 50: Not Available L _C 50: Not Available	12-16
Sequestering Agent		TLV: Not Available L _D 50: Not Available L _C 50: Not Available	5-9
Buffer		TLV: Not Available L _D 50: Not Available L _C 50: Not Available	2-5
Anionic Surfactant	0126-92-1	TLV: Not Available L _D 50: Not Available L _C 50: Not Available	3-5
Water	7732-18-5	TLV: Not Available L _D 50: Not Available L _C 50: Not Available	65-78

Note: All ingredients are listed on the Domestic Substances List (DSL) and the Toxic Substances Control Act (TSCA) list.



SECTION III - PHYSICAL DATA

Physical State: Liquid
Specific Gravity: Approx 1.095
Colour: Clear
Viscosity: N/A
Vapour Pressure(20 °C): Unknown
pH : 2.25

% Volatile: Not Available
Boiling Point (°C): ~ 100
Odour: Slight odour
Solubility in Water (20 °C): Complete – water solution
Vapour Density (Air =1) : Unknown

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not Flammable
LEL (% vol) lowest value of components: N/A
UEL (% vol) highest value of components: N/A
Hazardous Combustion Products: None

Flash Point (°C TCC): None

SECTION V - REACTIVITY DATA

Stability: Stable
Incompatibility: None
Hazardous Decomposition Products:

SECTION VI - TOXICOLOGICAL PROPERTIES

Routes of Entry: Eye, Skin, Inhalation, Ingestion

Effects of Acute Exposure:

Eye: irritation
Skin: irritation
Inhalation: N/A
Ingestion: N/A

Effects of Chronic Exposure:

Prolonged contact may result in skin irritation

Irritancy: Hazardous by WHMIS criteria
Respiratory Tract Sensitization: N/A
Carcinogenicity: N/A
Synergistic Materials: N/A
Reproductive Effects: N/A
Teratogenicity: N/A
Mutagenicity: N/A

SECTION VII - PREVENTATIVE MEASURES

Gloves: May be required for sensitive skin

Eye Protection: Wear safety glasses where contact with the eye is anticipated. Chemical safety goggles should be worn whenever there is a possibility of splashing or other contact with the eyes.

Respiratory Protection: Not required

Other Protective Equipment Recommended: Eye wash station in the work area.

Engineering Controls: Use general dilution and local exhaust in sufficient volume, and pattern to keep concentrations of hazardous ingredients listed in Section II below the lowest exposure limit stated.

Leak and Spill Procedure:

Flush with water.

Waste Disposal: Review federal, provincial and local government requirements prior to disposal.

Storage Requirements: Store in a tightly closed container. Store away from incompatible materials. Store in a cool, dry, well-ventilated area out of direct sunlight. Keep from freezing. Ensure all bottles are properly labeled.

SECTION VIII - FIRST AID

Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Eye: Immediately flush eyes with a directed stream of water for 15 minutes, while holding eyelids open. If irritation or redness develops or persists, get medical attention.

Skin: Flush affected areas with large amounts of water, remove contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation or redness develops or persists, get medical attention.

Inhalation: Remove victim to fresh air. If breathing difficulties develop, administer oxygen and get medical attention. If victim is not breathing, administer artificial respiration and get medical attention.

Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs (Aspiration pneumonitis can be fatal). If victim conscious and alert, give victim lukewarm water. GET IMMEDIATE MEDICAL ATTENTION.

SECTION IX - PREPARATION AND ADDITIONAL INFORMATION

Prepared by: Sterling Marking Products Inc.
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349 Ridout St., N.
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Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that user of this material has been fully trained according to the mandatory requirements of WHMIS. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal, Quebec (514-873-3990).