

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Identifier:

LNC-53NC Electrolyte

Supplier Name: Sterling Marking Products Inc.
 Street Address: 349 Ridout St. N.,
 City and Province: London, Ontario
 Postal Code: N6A 2N8

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

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

Material Use: **Electrolyte**

TDG Shipping Information:

Not regulated

WHMIS Classification:

Class D, Division 2B - Skin/Eye Irritant

IATA Shipping (Air):

Not regulated

SECTION II - HAZARDOUS INGREDIENTS

Component	CAS Registry	Toxicology	Concentration % (w/w)
Proprietary	Proprietary	Chloride Salt (Non-hazardous) Sequestering Agent – Citric (Non-hazardous) Citrate (Non-hazardous) Anionic Surfactant (Skin & Eye Irritant)	5-10
Water		Non-hazardous	82-87
Triethanolamine	102-71-6	TLV: Not available LD50: Not available LC50: Not available	0.2-2
Monoethanolamine	141-43-5	TLV: Not available LD50: Not available LC50: Not available	0.2-2

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. 1.04
 Colour: Yellowish
 Viscosity: As water
 Clarity: Transparent

Vapour Pressure: Not established
 Boiling Point (°C): 100
 Odour: Slight
 Solubility in Water (20 °C): Complete
 Flash Point (°C): None

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable
LEL (% vol) lowest value of components: Not applicable
UEL (% vol) highest value of components: Not applicable
Hazardous Combustion Products: Not established
Means of Extinction: Will not burn.

Flash Point (°C TCC): None

SECTION V - REACTIVITY DATA

Stability: Stable
Incompatibility: Not established
Hazardous Decomposition Products: Not established

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin
Effects of Acute Exposure:
Eye: Can cause irritation.
Skin: Prolonged or repeated contact can cause minor skin irritation.
Effects of Chronic Exposure:
None
Irritancy: Hazardous by WHMIS criteria
Respiratory Tract Sensitization: Not hazardous by WHMIS criteria
Carcinogenicity: Not hazardous by WHMIS criteria
Synergistic Materials: Not hazardous by WHMIS criteria
Reproductive Effects: Not hazardous by WHMIS criteria
Teratogenicity: Not hazardous by WHMIS criteria
Mutagenicity: Not hazardous by WHMIS criteria

SECTION VII - PREVENTATIVE MEASURES

Gloves: Solvent impermeable gloves are recommended for repeated or prolonged contact or on sensitive skin.
Eye Protection: Wear safety glasses meeting the specification of ANSI Z87.1 where contact with the eye is anticipated. Chemical safety goggles meeting the specifications of ANSI Z87.1 should be worn whenever there is a possibility of splashing or other contact with the eyes.
Respiratory Protection: None required.
Other Protective Equipment: As necessary to avoid prolonged contact.
Engineering Controls: None required.
Leak and Spill Procedure: Before attempting clean-up, refer to hazard data given above. Keep spectators away. Eliminate all ignition sources. Dike and contain small spills with an inert material and placed in suitable, covered labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal: Review federal, provincial and local government requirements prior to disposal.
Storage Requirements: Store in a tightly closed container. 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 15minutes, 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: Not an expected route of exposure. If breathing difficulties develop, Remove victim to fresh air. If victim is not breathing, administer artificial respiration and get medical attention.

Ingestion: Not an expected route of exposure. **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. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. **GET IMMEDIATE MEDICAL ATTENTION.**

SECTION IX - PREPARATION AND ADDITIONAL INFORMATION

Prepared by: Sterling Marking Products Inc.
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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).