

**MATERIAL SAFETY DATA SHEET**

**SECTION I - MATERIAL IDENTIFICATION AND USE**

**Material Name Identifier:**

**D462 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](mailto: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	Perchlorate Salt - Non-hazardous 8% Citrate- Non-Hazardous 3% Anionic Surfactant - Skin and eye irritant 5% Chloride Salt – Non-hazardous 3%	19
Water		Non-hazardous	81

**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. 1.03  
 Colour: None  
 Viscosity: As water  
 Clarity: Transparent  
 Melting Point (°C): 0

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

**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  
Conditions to avoid: Same as any aqueous/salt solution

**SECTION VI - TOXICOLOGICAL PROPERTIES**

Route of Entry: Eye, Skin, Inhalation, Ingestion  
Effects of Acute Exposure:  
Unknown  
Effects of Chronic Exposure:  
Unknown. Possibly irritating to sensitive skin  
**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:** 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:** Flush with water  
**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. Keep from freezing. Store in a cool place, out of direct sunlight.

**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 at least 15 minutes, while holding eyelids open. If irritation or redness develops or persists, get medical attention.  
**Skin:** Wash hands thoroughly after using, and apply a lubricating lotion.  
**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:** Do not ingest. If taken in large amounts, call physician immediately

**SECTION IX - PREPARATION AND ADDITIONAL INFORMATION**

**Prepared by:** Sterling Marking Products Inc.  
Quality Planning and Engineering Department  
349 Ridout St., N.  
London, Ontario N6A 5S4

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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).