

Material Safety Data Sheet

ELECTRON LVC

Low VOC Degreasing Solvent

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FOR CHEMICAL EMERGENCY
Call INFOTRAC
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Section I: Product Identification

Product name: ELECTRON LVC
Synonym: Proprietary Blend
Molecular Formula: Proprietary Blend

The "Plain English" Section

Material Safety Data Sheets can be confusing. Federal law requires us to print a great deal of technical information, which probably won't help the non-scientist. ECOLINK includes this "PLAIN ENGLISH" section, written to address the questions and concerns of the average person. If you have additional health, safety or product questions, don't hesitate to call us at 800/886-8240.

Health Hazards: ELECTRON LVC is an industrial chemical. We call it "environmentally preferred" because it is intended to replace products that are more hazardous, (HCFC-141b, trichloroethylene, MEK, etc.). This does not mean that ELECTRON LVC is completely harmless. It is strong enough to remove tough industrial soils, so it can irritate your skin. We suggest you wear gloves, and avoid extended exposure to unprotected skin. Do not get it in your eyes, or breath large amounts of the vapor, (it will dry out your nasal passages). Used on a rag or from a spray bottle, the product will not produce fumes in any great quantity, (do not spray ELECTRON LVC under high pressure without adequate ventilation). For more exposure and first aid information, refer to MSDS Sections II, VI.

Flashpoint: ELECTRON LVC's flashpoint is 109° F. This represents the temperature that the liquid must be before it emits fumes that may ignite. If ELECTRON LVC is used on rags, the rags can ignite if exposed to an open flame because the solvent is "wicked" onto the cloth. Be sure to dispose of rags in an airtight container specifically designed to prevent spontaneous combustion. Don't use ELECTRON LVC or any other combustible solvent around welding or any other hot work area.

Disposal: Because ELECTRON LVC's flashpoint is below 140°F, it is considered a hazardous waste product, (ignitable). If you spill ELECTRON LVC, notify the proper environmental people at your company ASAP. Once ELECTRON LVC is contaminated with whatever you are cleaning, the resulting mixture may fall under an additional hazardous classification, depending on whether or not the material you are cleaning is hazardous. If you are not sure how to dispose of the used ELECTRON LVC give us a call and we will help you make the right decision.

Section II: Hazardous Components

Chemical Name	Parachlorobenzotrifluoride
CAS No.	98-56-6
Approx. wt. %	85-95%
Exposure Limit	ACGIH TLV: Not Established OSHA PEL: Not Established 25 ppm TWA: Supplier

Chemical Name	d-Limonene
CAS No.	5989-27-5
Approx. wt. %	5-10%
Exposure Limit	Not Established

RCRA REGULATED:	Yes (Refer to Sec. VIII)
CERCLA (superfund):	N/A
ALL MATERIALS IN PRODUCT ARE TSCA LISTED.	
DOT Regulated:	No
DOT Haz. Class:	N/A
DOT Shipping Name:	N/A
DOT Number:	Not Listed

Section III: Physical Data

Appearance & Odor:	Clear, colorless liquid with sweet naphthalenic odor.
Boiling Range:	280-320°F
Evaporation Rate (nBuAc=1):	Approx. 0.8
Solubility In Water:	Nil
Specific Gravity:	1.258
VOC Content:	94 gm/l
Vapor Density (AIR=1):	>5.0
Composite Vapor Pressure:	0.3 mm Hg @ 20°C

Section IV: Fire & Explosion Hazard Data

Flash Point (Method):

Bulk Liquid (TCC) 109°F

Flammable Limits:

LEL Approx. 1
UEL Approx 10

Autoignition temperature Unknown

Extinguishing Media:

Regular foam, water fog, carbon dioxide, dry chemical, class B.

Special Fire Fighting Procedures:

Keep fire exposed containers cool with water. Fire fighters should wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate gear and chemical resistant personal protective equipment.

Unusual Fire & Explosion Hazards:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively.

Section V: Reactivity Data

Stability: Stable

Conditions to Avoid:

Sources of ignition such as sparks, hot spots, welding, flames and cigarettes. Ignition/flash may result if concentration of product is in the flammable range (See Section IV for LEL and UEL values).

Incompatibility (materials to avoid):

If mixed with strong oxidizers and or acids there is the possibility of a dangerous chemical reaction.

Hazardous Decomposition:

May form carbon dioxide and carbon monoxide.

Hazardous Polymerization:

Will Not Occur.

Section VI: Health Hazard Data

Primary routes of exposure:

Oral, Inhalation, and Skin

Ingestion:

Swallowing large amounts may be harmful by causing gastrointestinal irritation.

Inhalation:

Breathing large amounts may be harmful, by causing nose, throat, and respiratory tract irritation.

Eyes:

Irritant. Liquid contact will irritate eyes and may cause stinging, tearing, and redness.

Skin or Contact:

May cause mild irritation or redness and burning, skin defatting.

First Aid:

Ingestion:

Do not induce vomiting. If conscious, give 1 or 2 glasses of water. Seek medical attention immediately. Caution: aspiration into lungs can cause chemical pneumonia which may be fatal.

Inhalation:

Remove to fresh air; if breathing is difficult give oxygen. Keep person warm and quiet. Seek medical attention.

Eyes:

Irrigate immediately with water for at least 15 minutes. Get medical attention if irritation persists.

Skin:

Wash with soap and water. Thoroughly clean contaminated clothes and shoes before re-use. If symptoms persist, seek medical attention.

Carcinogen:

NTP – Not Listed
IARC Monographs – None
OSHA REGS – Not Regulated

Section VII: Precautions for Safe Handling

HMIS Information:

Health – 2 / Reactivity – 0
Flammability – 2 Personal Protection – C

HMIS Definition:

0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Extreme
“/” in the Health Category denotes material does not target any major organs.

Eye Protection:

Safety glasses and splash protection required.

Protective Gloves:

Chemical resistant such as Butyl, Nitrile, Teflon

Respiratory Protection:

If exposure limits are exceeded, respiratory protection such as NIOSH certified organic vapor mask.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. If applicable use process enclosures, local exhaust, or other engineering controls to maintain levels below exposure limits.

Other Protective Clothing: Not required under normal use.

Work Practices: Wash hands before eating, drinking, or smoking.

Section VIII: Control Measures

Small Spill: Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

Large Spill: Eliminate all ignition sources, (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams, etc. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Waste Disposal Method: ELECTRON LVC liquid is to be disposed of according to local, state, and federal regulations. Please call us if you need additional disposal information.

Under **RCRA** this material is considered a hazardous waste due to the flash point. The EPA hazardous waste number is D001.

Precautions To Be Taken In Handling & Storing: Since empty containers retain product residues, all hazard precautions given in the data sheet must be observed. All metal pails or drums should be grounded and/or bonded when material is transferred. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature may result in ignition.

Other Precautions: Keep this and all chemicals out of the reach of children.

Section IX: Part Number and Packaging

<u>Product Name</u>	<u>Part No.</u>	<u>Packaging</u>
ELECTRON LVC	1181-55	55 Gal Drum
ELECTRON LVC	1181-5	5 Gal Pail
ELECTRON LVC	1181-1	4 x 1 Gal Case

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END OF MSDS