

# Section 1: Product & Company Identification

Product Name: Lectra-Motive<sup>™</sup> Electrical Parts Cleaner (bulk)

Product Number (s): 75022

Product Use: Electrical parts cleaner

### Manufacturer / Supplier Contact Information:

In United States:In Canada:CRC Industries, Inc.CRC Canada Co.885 Louis Drive2-1246 Lorimar DriveWarminster, PA 18974Mississauga, Ontario L5S 1R2www.crcindustries.comwww.crc-canada.ca1-215-674-4300(General)1-905-670-2291(800) 521-3168 (Technical)1905-670-2291

24-Hr Emergency - CHEMTREC: (800) 424-9300 or (703) 527-3887

### Section 2: Hazards Identification

#### Emergency Overview

**DANGER:** Vapor Harmful.

Appearance & Odor: Colorless liquid, irritating odor at high concentrations

#### **Potential Health Effects:**

ACUTE EFFECTS:

- EYE: May cause slight temporary eye irritation. Vapors may irritate the eyes at concentrations of 100 ppm.
- SKIN: Short single exposure may cause skin irritation. Prolonged exposure may cause severe skin irritation, even a burn. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.
- INHALATION: Dizziness may occur at concentrations of 200 ppm. Progressively higher levels may also cause nasal irritation, nausea, incoordination, and drunkenness. Very high levels or prolonged exposure could lead to unconsciousness and death.
- INGESTION: Single dose oral toxicity is considered to be extremely low. Swallowing large amounts may cause injury if aspirated into the lungs. This may be rapidly absorbed through the lungs and result in injury to other body systems.
- CHRONIC EFFECTS: Repeated contact with skin may cause drying or flaking of skin. Excessive or long term exposure to vapors may increase sensitivity to epinephrine and increase myocardial irritability.
- TARGET ORGANS: Central nervous system. Possibly liver and kidney.

Medical Conditions Aggravated by Exposure: None known.

See Section 11 for toxicology and carcinogenicity information on product ingredients.

# Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Tetrachloroethylene (PERC)	127-18-4	100

### Section 4: First Aid Measures

	_								
EVC	e Contact:	Immodiately	/ fluch with I	nlantu	, of water for 1P	5 minutos	Call a nh	ysician if irritatic	n noreiete
ус	Contact.	IIIIIIEulatei		ριστιιγ		J minutes.	Call a ph	ysician ii innialic	

- Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
- Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
- Ingestion: Do NOT induce vomiting. Call a physician immediately
- *Note to Physicians*: Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. If burn is present, treat as any thermal burn, after decontamination. Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote.

# **Section 5: Fire-Fighting Measures**

Flash Point: No	fined by OSHA, this produ one (TCC) one	ct is a nonflammable liqu Upper Explosive Limit: Lower Explosive Limit:	id. None None		
Fire and Explosion Data:					
Suitable Extinguishing Media: Th	his material does not burn.	Use extinguishing agen	t suitable for surrounding fire.		
Products of Combustion: Hydrogen chloride, trace amounts of phosgene and chlorine					
Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture.					
prote skin	tection against suffocation	and possible toxic decon ided. Use water spray to	red breathing apparatus for position products. Proper eye and b keep fire-exposed containers cool uct decomposition.		

# Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8. Do not breathe vapors.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

## Section 7: Handling and Storage

Handling Procedures:	Vapors of this product are heavier than air and will collect in low areas. Make sure ventilation removes vapors from low areas. Keep containers closed when not in use. Do not eat, drink or smoke while using this product. Do not cut, drill or weld on or near empty containers. For product use instructions, please see the product label.
Storage Procedures:	Store in a cool dry area out of direct sunlight. Containers should be tightly closed while in storage.

Aerosol Storage Level: NA

# Section 8: Exposure Controls/Personal Protection

#### Exposure Guidelines:

	OS	SHA	AC	GIH	0	THER	
COMPONENT	TWA	STEL	TWA	STEL	TWA	SOURCE	UNIT
Tetrachloroethylene	100	N.E.	25	100	N.E.		ppm
N.E. – Not Established		(c) – ceilin	ıg (s) -	- skin	(v) – vaca	ated	

#### **Controls and Protection:**

**Engineering Controls:** Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations. **Respiratory Protection:** None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies. Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles. Use protective gloves such as PVA, Teflon or Viton. Also, use full protective clothing if there is Skin Protection: prolonged or repeated contact of liquid with skin.

## **Section 9: Physical and Chemical Properties**

Physical State: liquid Color: colorless Odor: irritating odor Odor Threshold: 50 ppm Specific Gravity: 1.619 Initial Boiling Point: 250 F / 121 C Freezing Point: ND Vapor Pressure: 13 mmHg @ 68 F / 20 C Vapor Density: 5.76 (air = 1)Evaporation Rate: very fast Solubility: 0.015 g/ 100 g @ 77 F / 25 C (in water)

Product Name: Lectra-Motive™ Electrical Parts Cleaner (bulk)							
Product Number (s): 75022							
Coefficient of water/oil distributio pH: NA	n (log P <sub>ow</sub> ): 2.8	8					
Volatile Organic Compounds:	<u>wt %</u> : 0	<u>g/L</u> : (	) <u>lbs.</u>	<u>/gal:</u> 0			

# Section 10: Stability and Reactivity

Stability: Stable						
Conditions to Avoid:	o Avoid: Avoid direct sunlight or ultraviolet sources. Avoid open flames, welding arcs, and other high temperature sources which induce thermal decomposition.					
Incompatible Materials:	Incompatible Materials: Avoid contact with metals such as: aluminum powders, magnesium powders, potassium, sodium, and zinc powder. Avoid unintended contact with amines. Avoid contact with strong bases and strong oxidizers.					
Hazardous Decomposition Products:		Hydrogen chloride, trace amounts of phosgene and chlorine				
Possibility of Hazardous	Reactions:	No				

# Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

### Acute Toxicity:

<u>Component</u> Tetrachloroethylene	<u>Oral LD50</u> (rat) 2629 mg/kg		Dermal LD50 (rabbit) > 10 g/kg	Inhalation LC50 5200 mg/kg/4H	
Chronic Toxicity:					
<u>Component</u> Tetrachloroethylene	OSHA <u>Carcinogen</u> No	IARC <u>Carcinogen</u> Group 2A	NTP <u>Carcinogen</u> Reasonably Anticipated to be a Carcinogen	d E (mild) / S (severe)	<u>Sensitizer</u> No
			E – Eye	S – Skin R	- Respiratory
<u>Reproductive Toxicity</u> : <u>Teratogenicity</u> : <u>Mutagenicity</u> :	No information ava No information ava Tetrachloroethylend	ilable. e: in vitro studi animal studi	es were negative es were negative		
Synergistic Effects:	No information ava	ilable.			

# Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity:	Tetrachloroethylene 96 Hr LC50 Rainbow Trout: 5.28 mg/L (static)						
-	-	96 Hr LC50 Fathead minnow: 13.4 mg/L (flow-through)					
Persistence / Degra	Persistence / Degradability: Biodegradation under aerobic conditions is below detectable limits.						
Biodegradation may occur under anaerobic conditions. Biodegradation rate n							
		increase in soil and/or water with acclimation.					
Bioaccumulation / /	Accumulation:	Bioconcentration potential is low (BCF less than 100).					
Mobility in Environr	ment:	Potential for mobility in soil is medium.					

### Section 13: Disposal Considerations

<u>Waste Classification</u>: This product is a RCRA hazardous waste for toxicity with the following potential waste codes: U210, F001, F002, D039. (See 40 CFR Part 261.20 – 261.33) Empty containers may be recycled. If this waste is mixed with other wastes, the mixture will be a hazardous waste.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

### Section 14: Transport Information

US DOT (ground):	75022:	UN1897, Tetrachloroethylene, 6.1, PGIII
ICAO/IATA (air):	75022:	UN1897, Tetrachloroethylene, 6.1, PGIII
IMO/IMDG (water):	75022:	UN1897, Tetrachloroethylene, 6.1, PGIII
Special Provisions:	Marine Pollut	ant

# Section 15: Regulatory Information

#### U.S. Federal Regulations:

Toxic Substances Control Act (TSCA): All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): Reportable Quantities (RQ's) exist for the following ingredients: Tetrachloroethylene (100 lbs)

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III: Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Catego	ories: Fire Hazard	No
Ũ	Reactive Hazard	No
	Release of Pressure	No
	Acute Health Hazard	Yes
	Chronic Health Hazard	Yes
Section 313 Toxic Chemicals:	This product contains the following	substances subject to

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Tetrachloroethylene (100%)

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): tetrachloroethylene

Occupational Safety and Health Administration (OSHA):

This product is regulated under the Hazard Communication Standard.

### Product Name: Lectra-Motive™ Electrical Parts Cleaner (bulk) Product Number (s): 75022

### Canadian Regulations:

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

WHMIS Hazard Class: D1B, D2A, D2B

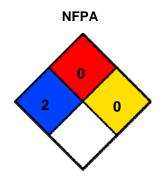
#### European Union Regulations:

<u>RoHS Compliance</u>: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

#### Additional Regulatory Information:

### Section 16: Other Information

HMIS® (II)					
Health:	2				
Flammability:	0				
Reactivity:	0				
PPE:	В				



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By:	Michelle Rudnick
CRC #:	491G
Revision Date:	09/04/2015

Changes since last revision: Section 14: Transport Information Section 15: Regulatory Information

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

	American Conference of Covernmental Industrial Hygionists	NIA.	Not Applicable
	: American Conference of Governmental Industrial Hygienists	NA:	Not Applicable
CAS:	Chemical Abstract Service	ND:	Not Determined
CFR:	Code of Federal Regulations	NIOSH:	National Institute of Occupational Safety & Health
DOT:	Department of Transportation	NFPA:	National Fire Protection Association
DSL:	Domestic Substance List	NTP:	National Toxicology Program
g/L:	grams per Liter	OSHA:	Occupational Safety and Health Administration
HMIS:	Hazardous Materials Identification System	PMCC:	Pensky-Martens Closed Cup
IARC:	International Agency for Research on Cancer	PPE:	Personal Protection Equipment
IATA:	International Air Transport Association	ppm:	Parts per Million
ICAO:	International Civil Aviation Organization	RoHS:	Restriction of Hazardous Substances
IMDG:	International Maritime Dangerous Goods	STEL:	Short Term Exposure Limit
IMO:	International Maritime Organization	TCC:	Tag Closed Cup
lbs./gal	pounds per gallon	TWA:	Time Weighted Average
LC:	Lethal Concentration	WHMIS:	Workplace Hazardous Materials Information
LD:	Lethal Dose		System