



MATERIAL SAFETY DATA SHEET

PROLAB TECHNOLOGIE INC.

4531 rue Industrielle, Thetford Mines, (Québec), G6H 2J1, Canada
Tél. (418) 423-2777 Fax : (418) 423-7619

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	ELECTRONIC POWER
MANUFACTURER:	PROLAB TECHNOLOGIE INC.
EMERGENCY PHONE:	CANUTEC (613) 996-6666
MATERIAL USES:	ELECTRONIC DIELECTRIC PROTECTOR
WHMIS CLASSIFICATION:	A, B5, D2A, D2B

SECTION 02: COMPOSITION & INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	% WEIGHT	CAS #	LD50, ROUTE, SPECIE	LC50, SPECIE
HEPTANE	60-100 %	142-82-5	NOT AVAILABLE	103 g/m ³ (4hr) RAT
TOLUENE	0.5-1.5 %	108-88-3	636 mg/kg, ORAL, RAT	49 g/m ³ (4hr) RAT
ISOBUTANE	10-20 %	75-28-5	NOT APPLICABLE	142500 ppm (4h) RAT
PROPANE	10-20 %	74-98-6	NOT APPLICABLE	NOT AVAILABLE

SECTION 03: HAZARD IDENTIFICATION

Potential acute health effects:	<u>Ingestion</u> : Ingestion may cause irritations, nausea, vomiting, diarrhea, abdominal pain, and central nervous system depression. Aspiration hazard of the liquid in the lungs. <u>Eyes and Skin</u> : Severe skin irritations. Slight eye irritations. <u>Inhalation</u> : may irritate nose, throat, and lungs. May cause nausea, vomiting, diarrhea, abdominal pain, and central nervous system depression.
Potential chronic health effects:	Carcinogenic effects: None known Mutagenic effects: None known Teratogenic effects: Toluene may cause teratogenic effects. Reproduction system effects: None known Chronic exposition effects: Refer to Section 11 Synergistic materials: Not available

SECTION 04: FIRST AID MEASURES

Eye contact:	Flush immediately with water for at least 15 minutes keeping eye lids opened. Consult a physician if irritation persists.
Skin contact:	Wash immediately with water for at least 15 minutes. Consult a physician if irritation persists.
Inhalation:	If indisposed by fumes/vapors, remove to fresh air. If breathing is difficult, give oxygen. If breathing stops, perform artificial respiration. If irritation persists or symptoms appear, consult a physician.
Ingestion:	Do not induce vomiting. If conscious, give 2 glasses of water. In case of vomiting, prevent aspiration of material through lung. Call a physician immediately.

SECTION 05: FIRE AND EXPLOSION DATA

Auto-ignition temperature:	Not available
Flash point:	LOWEST KNOWN VALUE IS HEPTANE @ -7°C.
Flammability limit: Lower	1 % by volume
Flammability limit: Upper	7 % by volume
Firefighting media:	Dry chemicals, CO2, foam.
Firefighting instruction:	Wear protective clothing and use self-contained breathing apparatus. Do not inhale vapors or fumes.
Products of combustion:	Carbon monoxide and dioxide gas, fumes and other incomplete combustion products.
Fire hazards/explosion in presence of various substances:	EXTREMELY FLAMMABLE. Avoid excessive heat, sparks and open flames. Flame projection is > 15 cm but < 100 cm and a flashback is observed.
Special remarks on fire/explosion hazards:	Use water to cool fire exposed containers.
Sensitivity to static discharge:	Yes.
Sensitivity to impact:	Aerosols may explode or become projectiles after a mechanical impact.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Small spill:	Soak with absorbent material and place in containers for disposal.
Large spill:	Eliminate potential source of sparks and flame. Equipment used to manipulate the product must be grounded. Follow safety rules. Contains the spill to prevent water spill. Use absorbents (clay or sand). Large spills should be removed mechanically and placed in containers, construct dikes around ground spills, and contain water spills by damming. Contact authorities.

SECTION 07: HANDLING AND STORAGE

Storage:	Store in a cool, dry and well-ventilated area away from heat and combustion sources. Wear required personal protective apparatus.
----------	---

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:	For Heptane PEL-TWA: 500 ppm and TLV-TWA: 400 ppm For Toluene PEL-TWA: 200 ppm and TLV-TWA: 20 ppm For Propane/Isobutane TLV-TWA: 1000 ppm
Engineering controls:	Local ventilation: Normally not needed Mechanical ventilation: YES
Personal protection:	Eye: Safety glasses Gloves: Chemical resistant and other skin protection Respiratory: In confined space or when ventilation is inadequate, use approved respirator with organic vapor cartridge
Work/hygienic practices:	Wash with soap and water after use. Avoid ingestion. Practice good personal hygiene.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical state & appearance :	Clear liquid (aerosol), lemon odor
Boiling point :	98-110°C
Freezing point :	not available
Density :	0.69-0.73 (liquid) 0.61-0.65 (aerosol)
Solubility in water :	negligible
Odor threshold :	not available
Vapor pressure :	45-60 PSIG @ 20°C (aerosol)
Vapor density :	> 1 (air = 1)
Evaporation rate :	> 1 (n-Butyl acetate = 1)
pH :	not applicable
Viscosity :	not available
Coefficient of distribution :	not available

SECTION 10: STABILITY AND REACTIVITY DATA

Stability:	Stable in normal handling conditions
Incompatibility:	Strong oxidizing agents
Conditions of reactivity:	Avoid excessive heat, sparks and open flames.
Hazardous Polymerization:	Will not occur.
Hazardous products of decomposition:	None. See products of combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Route of entry:	Inhalation, eyes, skin, ingestion
Toxicity on animals:	Not available for this product
Chronic effects on humans:	Eye, skin, digestive and respiratory tract irritant. Possible dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Not available
BOD5 et COD:	Not available
Products of biodegradation:	Not available
Toxicity of the products of biodegradation:	Not available


Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal:	Do not puncture or incinerate containers even if almost empty. Disposal should be in compliance with federal, provincial and local regulations.
-----------------	---

SECTION 14: TRANSPORT INFORMATION

Shipping name :	Aerosols
TDG classification :	2.1
UN number :	UN1950
Packing group :	Not applicable
Limited index quantity :	1 (May be shipped as a consumer commodity by ground)

SECTION 15: OTHER REGULATORY INFORMATION AND PICTOGRAMS

Hazardous material information system (NFPA)	Minimal	0	Health hazard	2
	Slight	1	Fire hazard	4
	Moderate	2	Reactivity	0
	Serious	3		
	Severe	4		
WHMIS pictograms:			This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.	

SECTION 16: OTHER INFORMATION

LEGEND:	ND = No data available, NA = Not applicable
REFERENCES:	Material Safety Data Sheet issued by Commission de la Santé et de la Sécurité du Travail du Québec. Material Safety Data Sheet issued by suppliers.
PPREPARED BY:	R-D Department ... Tel: (418) 423-2777 February 2015
<p>NOTICE TO READER The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of PROLAB TECHNOLUB INC.'S knowledge. PROLAB TECHNOLUB INC. Makes no warranty whatever express or implied of merchantability or fitness for the particular purpose. The information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Customers are encouraged to conduct their own tests. Before using the product, read its label. PROLAB TECHNOLUB INC. ASSUMES no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.</p>	