

# MATERIAL SAFETY DATA SHEET

## Battery Terminal Protection Spray

### Section 1: Product & Company Identification

**Product Name:** Battery Terminal Protection Spray

**Product Number (s):** East Penn Product ID: 00322 and L655CP

**Supplied By:**

East Penn Manufacturing Co. Inc.  
102 Deka Road  
Lyon Station, PA 19536

Customer Service (610) 682-6361

24-Hr Emergency – CHEMTREC: (800) 424-9300

### Section 2: Hazards Identification

#### Emergency Overview

**DANGER:** Extremely flammable. Harmful or fatal if swallowed. Contents under pressure.  
As defined by OSHA's Hazard Communication Standard, this product is hazardous.  
Appearance & Odor: Red liquid with petroleum solvent odor.



#### Potential Health Effects:

**EYE:** May cause mild to moderate irritation including stinging, tearing and redness.

**SKIN:** Single, brief exposures may cause mild irritation. Frequent or prolonged contact may cause more severe irritation, defatting of the skin, and dermatitis.

**INHALATION:** High vapor concentrations are irritating to the mucous membranes and upper respiratory tract and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects, including death. May cause peripheral nervous system disorder and/or damage.

**INGESTION:** Low order of toxicity by ingestion. May cause irritation of the gastrointestinal lining and nausea. Main hazard is aspiration into the lungs during swallowing or vomiting. Small amounts aspirated into the respiratory system may cause bronchopneumonia or pulmonary edema, possibly progressing to death. Ingestion of a small amount is not expected to cause health effects.

**CHRONIC EFFECTS:** Overexposure to hexane may cause progressive and irreversible damage to the peripheral nervous system, particularly in the arm and legs. Repeated overexposure to aliphatic mineral spirits can cause nervous system disease.

**TARGET ORGANS:** Central nervous system, peripheral nervous system, respiratory system

**Product Name: Battery Terminal Protection Spray****East Penn Product Number (s): 00322 and L655CP****Section 3: Composition/Information on Ingredients**

COMPONENT	CAS NUMBER	% by Wt.
Hexane	110-54-3	15-25
Petrolatum	8009-03-8	10-15
Naphtha	64742-88-7	5-10
Solvent Distillate	64741-88-4	2-5
Xylene	1330-20-7	1-3
Ethylbenzene	100-41-4	<1
Butane	106-97-8	16-24
Propane	74-98-6	22-34

**Section 4: First Aid Measures**

**Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.

**Skin Contact:** Remove contaminated clothing. Rinse skin immediately with soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation:** Remove affected person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

**Ingestion:** If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor for treatment advice. Never give anything by mouth to an unconscious person.

**Note to Physicians:** Treat symptomatically. This product is an aspiration hazard. Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

**Section 5: Fire-Fighting Measures**

**Flammable Properties:** This product is extremely flammable in accordance with aerosol flammability definitions. (See 16 CFR 1500.3(c)(6) ).

Flashpoint: < 0 ° F (TCC) Upper Explosive Limit: 9.0

Autoignition Temperature: 489 ° F Lower Explosive Limit: 1.7

**Fire and Explosion Data:**

**Suitable Extinguishing Media:** Class B fire extinguishers, dry chemical, foam or CO<sub>2</sub>

**Products of Combustion :** Fumes, smoke and carbon monoxide

**Explosion Hazards:** Aerosol containers, when exposed to heat from fire, may build pressure and explode. Vapors may accumulate in a confined space and create a flammable atmosphere.

**Protection of Fire-Fighters :** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition. Do not spray water directly on fire; product will float and could be reignited on surface of water.

**Section 6: Accidental Release Measures**

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Personal Precautions: Use personal protection recommended in Section 8.  
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. Remove all sources of ignition. Ventilate the area with fresh air. If it is 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: Do NOT use product near any potential source of ignition. Avoid contact with eyes and skin. Avoid breathing vapors. Wash thoroughly after handling and before contacting food. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120°F to prevent cans from rupturing. Do not store near potential sources of ignition. Do not puncture.

Aerosol Storage Level: III

KEEP OUT OF REACH OF CHILDREN

**Section 8: Exposure Controls/Personal Protection****Exposure Guidelines:****OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

CAS #	CHEMICAL NAME	%	OSHA	ACGIH	OTHER	unit
110-54-3	Hexane	15-25	500	500		ppm
64742-88-7	Naphtha	5-10	500	500		ppm
64741-88-4	Solvent Distillate	2-5	500	500		ppm
1330-20-7	Xylene	1-3	100	100		ppm
100-41-4	Ethylbenzene	<1	100	100		ppm
106-97-8	Butane	16-24	800	800		ppm
74-98-6	Propane	22-34	1000	1000		ppm

**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.

Skin Protection: Use protective gloves such as nitrile, PVC or Viton. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

DO NOT SMOKE, EAT, OR DRINK WHILE SPRAYING THIS PRODUCT  
WASH HANDS THOROUGHLY AFTER USING THIS PRODUCT

**Section 9: Physical and Chemical Properties**

Physical State: Liquid in pressurized aerosol can.

Color: Dark red, viscous  
Odor: Mild odor  
Volatile by volume: 86%  
VOC: ~80%

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Specific Gravity: 0.682  
 Initial Boiling Point: 140 ° F  
 Freezing Point: < - 50 ° F  
 Vapor Pressure: Not Determined for aerosol  
 Vapor Density: > 1 (air = 1)  
 Evaporation Rate: > 1 (water = 1) fast  
 Solubility: Negligible  
 pH: N/A

Viscosity: Not determined for aerosol.

**Section 10: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: Sources of ignition, temperature extremes.

Incompatible Materials : Strong oxidizers.

Hazardous Decomposition Products: Oxides of carbon, aldehydes and other products of incomplete combustion

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>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Hexane isomers	No data	No data	No data
Petrolatum	> 5 g/kg	> 2 g/kg	No data
Stoddard solvent	> 5 g/kg	> 3 g/kg	> 1400 ppm/8H
Heptane	No data	No data	103 g/m <sup>3</sup> /4H
Solvent-refined paraffinic distillates	No data	No data	No data
Xylene	4300 mg/kg	> 1700 mg/kg	5000 ppm/4H
Ethylbenzene	3500 mg/kg	> 5000 mg/kg	55,000 mg/m <sup>3</sup> /2H

Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Hexane isomers	No	No	No	E(mild)/S(mild)	Unknown
Petrolatum	No	No	No	No	Unknown
Stoddard solvent	No	No	No	E(mild)/S(mild)	Unknown
Solvent-refined paraffinic distillates	No	No	No	E(mild)/S(mild)	Unknown
Xylene	No	No	No	E(mild)/S(moderate)	Unknown
Ethylbenzene	No	Group 2B	No	E(moderate)/S(mild)	Unknown

Reproductive Toxicity: No information available E-Eye S-Skin R-Respiratory

Teratogenicity: No information available

Mutagenicity: No information available

Synergistic Effects: No information available

**Section 12: Ecological Information**

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

Ecotoxicity: n-Hexane – 96 Hr LC50 Leomis macrochrus: 412 mg/L

Xylene – 96 Hr LC50 Oncorhynchus mykiss: 13.5- 17.3 mg/L

Ethylbenzene – 96 Hr LC50 Pimephales promelas: 12.1 mg/L (flow-through)

Persistence /Degradability: No information available

Bioaccumulation /Accumulation: No information available

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Mobility in Environment: No information available

This product may be toxic to fish or other aquatic organisms. Do NOT discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. Contact your State Water Board or Regional Office of the EPA for guidance.

**Section 13: Disposal Considerations**

Waste Classification: The dispensed liquid product is a RCRA hazardous waste for the characteristic of ignitability with a waste code of D001. Pressurized containers are a D003 reactive waste. (See 40 CFR Part 261.20-261.33)

Empty aerosol containers may be recycled. Any liquid product should be managed as 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) : Consumer Commodity, ORM-D

ICAO/IATA (air) : Consumer Commodity, ID8000, 9

IMO/IMDG (water) : Aerosols, UN1950, 2.2, Limited Quantity

Special Provisions: None

**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.

**Section 16: Other Information**

NFPA:	Health: 2	Flammability: 3	Reactivity: 0		
HMIS:	Health: 2	Flammability: 3	Reactivity: 0	PPE:	B

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**Disclaimer**

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CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH:	American Conference of Governmental Industrial Hygienists		
NIOSH:	National Institute of Occupational Safety & Health		