

**– Material Safety Data Sheet –
Battery Cleaner (Spray)**

SECTION I

Manufacturer's Name:

Sprayon Products

(Battery Cleaner, Aerosol)

26300 Fargo Avenue, Bedford Heights, OH 44146

Date: May 2000**Distributor's Name:**

East Penn Manufacturing Co., Inc.

Deka Road, Lyon Station, PA 19536

Telephone Number for Information: (610) 682-6361**East Penn Product I.D.:** 00321, 00323**Emergency Telephone Number:** CHEMTREC: 1-800-424-9300,
In Washington D.C. or outside continental U.S., call 1-202-483-7616

SECTION II

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components Specific Chemical Identity (Common Name (s))	CAS #	OSHA PEL	ACGIH TLV	Percent
Sodium Bicarbonate	#144-55-8	N/A	N/A	<10.0
Water		N/A	N/A	>90.0
Propellant:				
Isobutane	#75-28-5	N/A	N/A	<10.0
or				
Butane	#106-97-8	800 ppm	800 ppm	<10.0
or				
Propane	#74-98-6	1000 ppm	2500 ppm	<10.0
Detergents	Mixture	N/A	N/A	<10.0
2-Butoxy Ethanol	#111-76-2	25 ppm	25 ppm	<10

SECTION III

PHYSICAL/CHEMICAL CHARACTERISTICS

Chemicals without propellant/Propellant**Appearance and Odor:** A quick breaking foam**Solubility in Water:** Soluble in water**Freezing Point:** 32°F/Not Determined**Boiling Point:** 212°F/-213°F**Evaporation Rate:** Not Determined**Specific Gravity (H₂O=1):** 1.04/.095**Vapor Density (AIR=1):** Not Determined**Vapor Pressure (mm Hg):** Not Determined**% Volatile:** 3%/97%

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Propellant below 20°F (TOC)**Flammable Limits:** Propellant**Extinguishing Media:** Carbon dioxide, foam, dry chemicals**LEL:** 1.9**UEL:** 9.5**Unusual Fire and Explosion Hazards:** Do not spray near open flame. Aerosol cans may explode. Flammable material.**Special Fire Fighting Procedures:** Remove aerosol containers from fire area if possible.

SECTION V

REACTIVITY DATA

Stability: Stable**Conditions to Avoid:** Do not store above 120°F to prevent cans from exploding**Hazardous Decomposition of By-Products:** Carbon monoxide, carbon dioxide

SECTION VI HEALTH HAZARD DATA

Primary Route(s) of Entry: Inhalation, skin and ingestion

Signs and Symptoms of Exposure: *Inhalation:* Over-exposure may result in light-headedness, staggering gait, giddiness, and possible nausea. *Skin and Eyes:* May cause irritation. *Ingestion:* Harmful or fatal if swallowed.

Chronic Overexposure: Reports have associated repeated and prolong overexposure to solvents with permanent brain and nervous system damage.

Medical Conditions Generally Aggravated by Exposure: None identified

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. Give artificial respiration if necessary. *Ingestion:* Induce vomiting on the advice of a physician. *Eyes:* Flush with water for 15 minutes. *Skin:* Remove contaminated clothing and wash with soap and water

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Remove all sources of ignition, ventilate, avoid breathing vapors, and remove with inert absorbent.

Waste Disposal Method: Dispose of in accordance with local, state or applicable federal regulations.

Precautions to be Taken in Handling and Storing: Do not store above 120°F. Keep away from children. DO not puncture or incinerate. Do not spray near fire or open flame.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specific Type): Use NIOSH/MSHA compliant respirators or self contained breathing apparatus above exposure limits.

Ventilation: Adequate to prevent accumulation of vapors.

Protective Clothing: Wear chemically protective gloves and safety glasses. Use splash aprons and boots if splashing occurs.

Eye and Face Protection: Safety glasses, face shield if splashing occurs.

Other Protective Equipment: Not needed.

SECTION IX OTHER REGULATORY INFORMATION

	<u>NFPA</u>	<u>HMIS</u>
Health (Blue)	1	1
Flammability (Red)	4	4
Reactivity (Yellow)	0	0

SARA Title III: Section 311/312: Acute **Section 313:** 2 Butoxy Ethanol

Extremely Hazardous Substance: No

For additional information concerning East Penn Manufacturing Co., Inc. products or questions concerning the content of this MSDS please contact your East Penn representative.

This information is accurate to the best of East Penn Mfg. Co.'s knowledge or obtained from sources believed by East Penn to be accurate. Before using any product, read all warnings and directions on the label.