

110-373

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**Canadian Workplace Hazardous Materials Information System
 Material Safety Data Sheet**

I. PRODUCT IDENTIFICATION

Product Name: SA9 BATTERY PROTECTOR & SEALER 5 OZ AE SA9
 Item No: 80370
 Product Type: Aerosol coating

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
XYLENE 1330-20-7	15-40	4300 mg/kg	5000 ppm/4H; 47635 mg/L/4H	100 ppm
ACETONE 67-64-1	15-40	5800 mg/kg	not available	500 ppm
PROPANE 74-98-6	15-40	not available	658 mg/L/4H	1000 ppm
MINERAL OIL 8042-47-5	<10	>5 g/kg	not available	5 mg/m ³
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 64742-47-8	<10	>5 g/kg	>5.2 mg/L (4H)	
ETHYL BENZENE 100-41-4	<5	3500 mg/kg	17.2 mg/L/4H	20 ppm

III. PHYSICAL DATA

Physical State/Appearance: Purple liquid/aerosol
 Odour & Odour Threshold: Solvent odour
 Specific Gravity: 0.83
 Evaporation Rate: >1 (Ether = 1)
 Vapour Pressure: Not determined
 Vapour Density: Heavier than air
 Freezing Point: Not determined
 pH: Does not apply
 Octanol/Water Coefficient: Not determined
 Boiling Point: >38°C (100°F)

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
 Hazardous Combustion Products: Oxides of carbon, Irritating organic vapours
 Sensitivity to Static Discharge: Aerosol cans are under pressure and may explode in fire.
 Conditions of Flammability: FLAMMABLE: Sprayed product will project flame and may flashback on contact of spray with an ignition source. Contents under pressure. Keep containers cool. Containers may explode if heated. Use equipment or shielding to protect personnel from bursting containers.
 Flash Point/Range: Flame projection >15 cm but <100 cm.
 Autoignition Temperature: Not determined
 Upper Explosive Limit: 12.8%
 Lower Explosive Limit: 1.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable
 Materials to avoid: Strong oxidizing agents
 Conditions of Reactivity: Avoid excessive heat, sparks and open flame.
 Hazardous Decomposition Products: Carbon oxides

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
 Existing Conditions Aggravated by Exposure: Acetone: Lung and other respiratory diseases, eye, skin and central nervous system problems

VI. HAZARDS IDENTIFICATION

Toxicity Information:	(See Effects of Acute Exposure to Product)
Effects of Acute Exposure:	Excessive exposure may cause headache, nausea, dizziness and in extreme cases, unconsciousness, respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract. Intentionally concentrating and inhaling the vapor may be harmful or fatal. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration into the lungs can cause pneumonia which can be fatal.
Effects of Chronic Exposure:	Laboratory rats exposed to prolonged high Xylene concentrations suffered hearing loss. Rats exposed to Xylene vapor during pregnancy have shown embryo/fetotoxic effects. Mice exposed orally to doses of Xylene which produced maternal toxicity have also shown embryo/fetotoxic effects. Long term overexposure to solvents have been associated with lung, liver and kidney damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage and nervous system damage.
Irritancy of Product:	Irritation of eyes, skin, nose and throat. May cause dermatitis on prolonged contact in sensitive individuals. Headache, nausea, dizziness, light headedness, staggering gait, giddiness. May cause gastrointestinal irritation, central nervous system depression.
Sensitization to Product:	(See Effects of Acute Exposure to Product)
Carcinogenicity:	(See Effects of Chronic Exposure to Product)
Reproductive Toxicity:	(See Effects of Chronic Exposure to Product)
Teratogenicity:	(See Effects of Chronic Exposure to Product)
Mutagenicity:	(See Effects of Chronic Exposure to Product)
Toxicologically Synergistic Products:	None known
WHMIS Hazard Class:	A COMPRESSED GAS, B5 FLAMMABLE AEROSOLS, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

VII. PREVENTATIVE MEASURES

Personal Protection	
Eyes:	Safety glasses.
Skin:	Neoprene or nitrile gloves recommended.
Ventilation:	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Engineering Controls:	In case of insufficient ventilation, wear an organic vapor respirator
Spill Procedures:	Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.
Protection of Man and Environment:	Follow Canadian and local regulations for disposal.
Handling Procedures and Equipment:	Store away from heat, sparks and open flame. Store at temperatures below 50°C. Contents under pressure. Do not puncture or incinerate container. Use with adequate ventilation. Avoid breathing vapours. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling.
Special Handling Information:	Do not store at temperatures above 40 degrees C. Keep away from heat, sparks and open flame. Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Keep away from children.

VIII. FIRST AID MEASURES

Ingestion:	If swallowed, do not induce vomiting - seek medical advice. Never give anything by mouth to an unconscious person.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.
Skin Contact:	Wash off with soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

IX. SHIPPING INFORMATION

Canadian Transportation of Dangerous Goods

Proper Shipping Name:	Aerosols, Limited Quantity
Hazard Class:	Class 2.1
UN/ID No:	UN 1950

IATA (Air)

Proper Shipping Name:	Consumer Commodity
Class or Division:	Class 9
UN/ID Number:	ID 8000

IMDG (Vessel)

Proper Shipping Name:	Aerosols, Limited Quantity
Hazard Class:	Class 2.1
UN Number:	UN 1950

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 4, PHYSICAL HAZARD 0
(HMIS is a registered trademark of the National Paint and Coatings Association)

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 4, REACTIVITY 0
(NFPA is a registered trademark of the National Fire Protection Association)

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