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

### I. PRODUCT IDENTIFICATION

**Product Name:** PC WHITE LITHIUM GREASE 300G AE  
**Item No:** 29222  
**Product Type:** Aerosol lubricant

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
TETRACHLOROETHYLENE 127-18-4	30-60	2629 mg/kg	4000 ppm/4H	25 ppm
DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY NAPHTHENIC 64741-96-4	10-30	>5000 mg/kg	2.18 mg/L/4H	
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	10-30	not available	not available	

### III. PHYSICAL DATA

**Physical State/Appearance:** White liquid/Aerosol  
**Odour & Odour Threshold:** Ether odour  
**Specific Gravity:** 1.5-1.7 g/ml  
**Evaporation Rate:** >1.0 (butyl acetate = 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:** >35C

### IV. FIRE AND EXPLOSIVE DATA

**Recommended Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical.  
**Hazardous Combustion Products:** Oxides of carbon, Hydrochloric acid, phosgene, chlorine, carbon dioxide  
**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. Vapours are heavier than air and may travel or be moved along the ground to an ignition source.  
**Flash Point/Range:** Flame projection >15 cm but <100 cm  
**Autoignition Temperature:** Not determined  
**Upper Explosive Limit:** Not determined  
**Lower Explosive Limit:** Not determined

### V. REACTIVITY DATA

**Conditions Causing Chemical Instability:** None  
**Materials to avoid:** Strong oxidizers, Barium  
**Conditions of Reactivity:** Avoid excessive heat, sparks and open flame  
**Hazardous Decomposition Products:** Carbon oxides, Hydrogen chloride, phosgene, chlorine.

### VI. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:** Eye and skin contact, ingestion, inhalation  
**Existing Conditions Aggravated by Exposure:** Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected  
**Toxicity Information:** (See Effects of Acute Exposure to Product)

**VI. HAZARDS IDENTIFICATION**

**Effects of Acute Exposure:** High concentration may cause respiratory irritation and central nervous system depression with dizziness, headache, unconsciousness. May cause eye and skin irritation. Vapors are anesthetic in high concentrations. Intentionally concentrating and inhaling the vapor may be harmful or fatal.

**Effects of Chronic Exposure:** 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:** Inhalation: Dizziness, anesthesia, unconsciousness, difficulty in breathing. Irritation of eyes, skin, nose and throat. May cause dermatitis on prolonged contact in sensitive individuals.

**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:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product. In case of insufficient ventilation, wear an organic vapor respirator.

**Engineering Controls:** Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

**Spill Procedures:** Follow Canadian and local regulations for disposal.

**Protection of Man and Environment:** Flammable. Store away from heat, sparks and open flame. Store at temperatures below 50°C. Contents under pressure. Do not puncture or incinerate container. Avoid breathing vapours.

**Handling Procedures and Equipment:** Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Do not spray into eyes or onto skin. Keep away from heat, sparks and open flame.

**Special Handling Information:**

**VIII. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention..

**Skin Contact:** Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

**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 (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG Regulations)

**Hazard Class:** Class 2.1

**UN/ID No:** UN 1950

**IATA**

**Proper Shipping Name:** Consumer Commodity

**Class or Division:** Class 9

**UN/ID Number:** ID 8000

**IMDG**

**Proper Shipping:** Aerosols, (Tetrachloroethylene), Marine Pollutant, Limited Quantity

**Hazard Class:** Class 2, 6.1

**UN Number:** UN 1950

**X. PREPARATION INFORMATION**

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0  
HMIS is a registered trademark of the National Paint and Coatings Assn.

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 3, REACTIVITY 1  
NFPA is a registered trademark of the National Fire Protection Assn.

**Product Name: PC WHITE LITHIUM GREASE 300G AE**

**Item No: 29222**

**X. PREPARATION INFORMATION**

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety

**Revision Date:** April 28, 2010

**Company:**  
Permatex Canada, Inc. 8450 Lawson Rd. Unit 1, Milton, ON L9T 0A4

**Revision Number:** 4

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