

ITW Permatex Canada
35 Brownridge Road, Unit 1
Halton Hills, ON Canada L7G 0C6
Telephone: (800) 924-6994
Urgence: 800-255-3924 (ChemTel)

Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 133K ANTI-SEIZE LUBRICANT 80Z
Item No: 80078
Product Type: Lubricant

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	40-60	>5000 mg/kg	2.18 mg/L/4H	
CALCIUM OXIDE 1305-78-8	15-25	500 mg/kg	not available	2 mg/m ³
GRAPHITE 7782-42-5	<10	not available	not available	2 mg/m ³
ALUMINIUM POWDER 7429-90-5	<10	not available	not available	1 mg/m ³
MINERAL OIL 8012-95-1	<5	22 g/kg (mus)	not available	

III. PHYSICAL DATA

Physical State/Appearance: Silver paste
Odour & Odour Threshold: Petroleum
Specific Gravity: 1.17
Evaporation Rate: <1 (butyl acetate = 1)
Vapour Pressure: <5 mmHg @ 21°C
Vapour Density: Heavier than air
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: Not determined

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Metal vapors, oxides of carbon, nitrogen, barium, zinc, sulfur, hydrogen sulfide.
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Conditions of Flammability: Keep containers cool.
Flash Point/Range: >95°C COC
Autoignition Temperature: Not determined
Upper Explosive Limit: Aluminum: 30%
Lower Explosive Limit: 7%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions
Materials to avoid: Incompatible with strong bases and oxidizing agents
Conditions of Reactivity: None.
Hazardous Decomposition Products: Carbon oxides, Oxides of sulfur, Oxides of barium, Oxides of nitrogen, Oxides of zinc

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: Individuals with respiratory problems such as emphysema and asthma should avoid inhalation
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 and/or death. Inhaling may cause mild irritation to the nose, throat and respiratory tract. May cause eye and skin irritation. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Effects of Chronic Exposure: Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue blurred vision, slurred speech, giddiness, tremors and convulsion. Since this product contain copper compounds, individuals with Wilson’s Disease should avoid exposure to this product.

Irritancy of Product: Headache, nausea, dizziness, light headedness, staggering gait, giddiness. Irritation of eyes, skin, nose and throat. May cause dermatitis on prolonged contact in sensitive individuals. 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: 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.

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: Avoid breathing vapours. Keep container closed when not in use. Use good personal hygiene. Avoid smoking, eating or drinking during use.

Special Handling Information: Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Store in a cool, dry, well-ventilated area.

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: Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.

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: Not regulated
Hazard Class: None
UN/ID No: None

IATA (Air)

Proper Shipping Name: Not regulated
Class or Division: None
UN/ID Number: None

IMDG (Vessel)

Proper Shipping Name: Not regulated
Hazard Class: None
UN Number: None

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0
 HMIS is a registered trademark of the National Paint and Coatings Association

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0
 (NFPA is a registered trademark of the National Fire Protection Association)

Product Name: 133K ANTI-SEIZE LUBRICANT 8OZ

Item No: 80078

X. PREPARATION INFORMATION

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

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Company: ITW Permatex Canada. 35 Brownridge Rd. Unit 1, Halton Hills, ON L76 0C6

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Telephone No.: 1-800-924-6994