

Permatex Canada, Inc.
 8450 Lawson Road, Unit 1
 Milton, ON Canada L9T 0A4
 Telephone: 1-87-Permatex
 (877) 376-2839
 Urgence: 800-255-3924

Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 133MA ANTI-SEIZE LUBRICANT 8.5OZ AE
Item No: 81464
Product Type: Aerosol lubricant

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
HEPTANE 142-82-5	10-30	5000 mg/kg	103 g/m ³ /4H	400 ppm
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	10-30	>5000 mg/kg	2.18 mg/L/4H	
PROPANE 74-98-6	10-30	not available	658 mg/L/4H	1000 ppm
CALCIUM OXIDE 1305-78-8	5-15	500 mg/kg	not available	2 mg/m ³
ALUMINIUM POWDER 7429-90-5	<7	not available	not available	1 mg/m ³
GRAPHITE 7782-42-5	<5	not available	not available	2 mg/m ³
TOLUENE 108-88-3	<2	636 mg/kg	12.5 mg/L/4H; >26700 ppm/1H	20 ppm

III. PHYSICAL DATA

Physical State/Appearance: Grey liquid
Odour & Odour Threshold: Solvent odour
Specific Gravity: 0.77-0.80 g/ml
Evaporation Rate: Not determined
Vapour Pressure: Not determined
Vapour Density: >1 (air =1)
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: Oxides of carbon, Copper
Sensitivity to Static Discharge: Sensitivity to static discharge is expected; material has a flashpoint less than or equal to 10°C.
Conditions of Flammability: FLAMMABLE: Keep from heat and open flame. Contents under pressure. Containers may explode if heated. Use equipment or shielding to protect personnel from bursting containers.
 Flame projection >15 cm but <100 cm
Flash Point/Range: Not determined
Autoignition Temperature: Not determined
Upper Explosive Limit: 9.5%
Lower Explosive Limit: 1.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions of use
Materials to avoid: Strong oxidizing agents
Conditions of Reactivity: Avoid excessive heat, sparks and open flame
Hazardous Decomposition Products: Carbon oxides, Copper fumes

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure:	Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure:	Heptane: Preexisting skin conditions, heart conditions, respiratory disorders.
Toxicity Information:	(See Effects of Acute Exposure to Product)
Effects of Acute Exposure:	May cause eye, skin and respiratory irritation. . Overexposure by inhalation may cause nasal and respiratory irritation, central nervous system affects, dizziness, drowsiness, weakness, fatigue, nausea, headache and possible unconsciousness.
Effects of Chronic Exposure:	Long term overexposure to solvents have been associated with lung, liver and kidney damage.
Irritancy of Product:	See (Effects of Acute Exposure to Product)
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:	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:	
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:	Use with adequate ventilation. Contents under pressure. Do not puncture or incinerate container.
Special Handling Information:	Avoid contact with skin and eyes. Do not use for prolonged periods in confined area without adequate ventilation.

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. Oxygen or artificial respiration if needed. Obtain medical attention.
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:	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 (Not more than 1 liter)
Class or Division:	Class 9
UN/ID Number:	ID 8000

IMDG

Proper Shipping:	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 Assn.

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 4, REACTIVITY 1
NFPA is a registered trademark of the National Fire Protection Assn.

**Product Name: 133MA ANTI-SEIZE LUBRICANT 8.5OZ
AE**

Item No: 81464

X. PREPARATION INFORMATION

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

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

Revision Number: 2

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