

Permatex Silver Anti Seize Lubricant

Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022)
Issue date: 09/29/2025 Version: 1.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form	: Mixture
Trade name	: Permatex Silver Anti Seize Lubricant
Product code	: 19975 – 4g , 76761 – 28g, 76763 – 118g , 76767 – 454g

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Anti-Seize Lubricant

1.4. Supplier's details

ITW Permatex Canada
c/o ITW Global Brands Canada
2360 Bristol Circle, Suite 101
Oakville, ON L6H 6M5
T (905) 693-8900
CanadaCS@itwgb.com

1.5. Emergency phone number

Emergency number : 800-255-3924 (Chem-Tel)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

2.2. GHS label elements, including precautionary statements

GHS CA labelling

Hazard statements (GHS CA)	: Not considered hazardous
Supplementary information	: Exempt - Consumer product, This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).

This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Aluminum	aluminium powder (stabilised) Aluminium / Aluminium metal / Aluminum metal / Aluminum, elemental / CI 77000 / Aluminium powder (stabilized) / Aluminium powder / Pigment Metal 1 / Aluminum powder / Aluminium metal, powder	CAS-No.: 7429-90-5	1 - 5

Comments : All concentrations are expressed as percentages by weight unless the ingredient is a gas.

CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the amended HPR as of December 2022.

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin with plenty of water. Obtain medical attention if irritation persists.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

First-aid measures after ingestion : Do not induce vomiting. If vomiting occurs have person lean forward. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes. Keep out of the reach of children.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after eye contact : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after ingestion : May cause stomach distress, nausea or vomiting.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry chemical powder. Water spray.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Specific hazards arising from the chemical

Fire hazard : During fire, gases hazardous to health may be formed. In case of fire or explosion do not breathe fumes.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Aluminium oxides.

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5.3. Special protective actions for fire-fighters

Firefighting instructions	: In case of fire: stop leak if safe to do so. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk.
Protection during firefighting	: Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Notify authorities if product enters sewers or public waters.
Personal Precautions, Protective Equipment and Emergency Procedures	: Avoid contact with skin and eyes. Wash thoroughly after handling.
Environmental precautions	: Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment	: Stop leak without risks if possible.
Methods for cleaning up	: Soak up with inert absorbent material (for example sand, a universal binder, silica gel). Clean contaminated surfaces with an excess of water.
Other information	: This material and its container must be disposed of in a safe way, and as per local legislation. Refer to product label for disposal instructions.

For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Do not taste or swallow.
Local and general ventilation	: Ensure adequate ventilation.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep out of reach of children. Store tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).
Incompatible materials	: Strong oxidizing agents.
Packaging materials	: Store always product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Aluminum (7429-90-5)	
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWAEV)	10 mg/m ³
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	1 mg/m ³ (respirable)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)

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Aluminum (7429-90-5)	
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	1 mg/m ³ (respirable fraction)
Notations and remarks	Pneumoconiosis; LRT irr
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (metal-dust)
OEL STEL	20 mg/m ³ (metal-dust)
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (metal-dust)
OEL STEL	20 mg/m ³ (metal-dust)
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWA _{EV}	1 mg/m ³ (respirable particulate matter)
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (dust)
OEL STEL	20 mg/m ³ (dust)
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure adequate ventilation.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Materials for protective clothing:
Not normally required when used as directed.
Hand protection:
Use neoprene or rubber gloves
Eye protection:
Not normally required when used as directed.
Skin and body protection:
Not normally required when used as directed.
Respiratory protection:
Ensure adequate ventilation

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SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: Semi-solid.
Colour	: Grey
Odour	: petroleum
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 221.1 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 1.1 g/mL
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Keep away from heat and direct sunlight. Do not mix with other chemicals.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: Aluminium oxides.

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Aluminum (7429-90-5)	
LD50 oral rat	> 15900 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 0.888 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	> 0.888 mg/l Source: ECHA

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

Aluminum (7429-90-5)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.05 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (subchronic, oral, animal/male, 90 days)	1034 mg/kg bodyweight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
NOAEL (subchronic, oral, animal/female, 90 days)	1087 mg/kg bodyweight Animal: dog, Animal sex: female, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)

Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: May cause stomach distress, nausea or vomiting.

SECTION 12 Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Aluminum (7429-90-5)	
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

Aluminum (7429-90-5)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

Aluminum (7429-90-5)	
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

Aluminum (7429-90-5)	
Surface tension	No data available in the literature
Ecology - soil	Adsorbs into the soil.

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12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of the material collected according to regulations. Refer to product label for disposal instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

In accordance with TDG

TDG	
14.1. UN Number	
Not regulated for transport	
14.2. UN Proper Shipping Name	
Not regulated	
14.3. Transport hazard class(es)	
Not regulated	
14.4. Packing group, if applicable	
Not regulated	
14.5. Environmental hazards	
Not regulated	
No supplementary information available	

14.6. Special precautions for user

TDG

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

All components of this product are present on DSL

SECTION 16 Other Information

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