

Permatex Green Silicone Brake Lubricant

Safety Data Sheet

According to the Hazardous Products Regulation (February 11, 2015)
Issue date: 12/4/2024 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : Permatex Green Silicone Brake Lubricant
Product code : 24120, 24121

1.2. Recommended use and restrictions on use

Recommended use : Brake Lubricant

1.3. Supplier

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

1.4. Emergency telephone number

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

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

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

No additional information available

2.4. Unknown acute toxicity (GHS CA)

Not applicable.

Permatex Green Silicone Brake Lubricant

Safety Data Sheet

According to the Hazardous Products Regulation (February 11, 2015)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Polypropylene glycol monobutyl ether	Butoxypolypropylene glycol / Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-butyl-.omega.-hydroxy- / Polyoxypropylene butyl ether / PPG-12 BUTYL ETHER / Polypropylene glycol butyl ether / PPG-34 butyl ether / PPG-40-butyl ether / PPG-40 butyl ether / PPG-2 butyl ether / PPG-14 butyl ether / PPG-15 butyl ether / PPG-16 butyl ether / PPG-17 butyl ether / PPG-18 butyl ether / PPG-20 butyl ether / PPG-22 butyl ether / PPG-24 butyl ether / PPG-26 butyl ether / PPG-30 butyl ether / PPG-33 butyl ether / PPG-3 butyl ether / PPG-4 butyl ether / PPG-52 butyl ether / PPG-53 butyl ether / PPG-5 butyl ether / PPG-9 butyl ether / PPG-120 BUTYL ETHER / PPG-3 BUTYL ETHER / PPG-4 BUTYL ETHER / PPG-5 BUTYL ETHER / PPG-52 BUTYL ETHER / PPG-53 BUTYL ETHER / PPG-9 BUTYL ETHER / PPG-90 BUTYL ETHER / PPG butyl ether / .alpha.-Butyl-.omega.-hydroxy-poly[oxy(methylethylene)]	CAS-No.: 9003-13-8	0.5-1.5

Comments

: CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

SECTION 4: First-aid measures

4.1. Description of 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	: Rinse eyes with water as a precaution. 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). Medical personnel should be made aware of substance(s) involved and take measures for self protection. Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes. Keep out of the reach of children.

Permatex Green Silicone Brake Lubricant

Safety Data Sheet

According to the Hazardous Products Regulation (February 11, 2015)

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Prolonged inhalation may be harmful.
Symptoms/effects after skin contact	: Prolonged or repeated contact may dry skin and cause irritation.
Symptoms/effects after eye contact	: Direct contact with eyes may cause temporary irritation.
Symptoms/effects after ingestion	: May cause stomach distress, nausea or vomiting.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Symptoms may be delayed. Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Treat for surrounding material.
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5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	: Do not use a water jet since it may cause the fire to spread.
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5.3. Specific hazards arising from the hazardous product

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	: May include and are not limited to: oxides of carbon.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Move containers from fire area if it can be done without personal risk.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. In the event of a significant spillage : Notify authorities if product enters sewers or public waters.
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6.2. Methods and materials for containment and cleaning up

For containment	: Stop leaks if it can be done without personal risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. 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.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Permatex Green Silicone Brake Lubricant

Safety Data Sheet

According to the Hazardous Products Regulation (February 11, 2015)

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).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear protective gloves. Confirm with a reputable supplier first.

Eye protection:

Wear safety glasses with side shields (or goggles).

Skin and body protection:

Wear suitable protective clothing. As required by employer code.

Respiratory protection:

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Semi-solid.

Colour : Green

Odour : mild

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 : Not applicable

Boiling point : No data available

Flash point : > 260 °C

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Permatex Green Silicone Brake Lubricant

Safety Data Sheet

According to the Hazardous Products Regulation (February 11, 2015)

Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 1.037
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: Not applicable

9.2. Other information

VOC content	: < 1 %
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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	: May include and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Permatex Green Silicone Brake Lubricant	
ATE CA (oral)	75238.1 mg/kg
Unknown acute toxicity (GHS CA)	Not applicable.

Polypropylene glycol monobutyl ether (9003-13-8)	
LD50 oral rat	5840 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	13340 mg/kg (Source: NLM_CIP)
ATE CA (oral)	500 mg/kg bodyweight
ATE CA (Dermal)	13340 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Likely routes of exposure	: Skin and eyes contact. Ingestion. Inhalation.
Symptoms/effects after inhalation	: Prolonged inhalation may be harmful.
Symptoms/effects after skin contact	: Prolonged or repeated contact may dry skin and cause irritation.

Permatex Green Silicone Brake Lubricant

Safety Data Sheet

According to the Hazardous Products Regulation (February 11, 2015)

Symptoms/effects after eye contact : Direct contact with eyes may cause temporary irritation.
Symptoms/effects after ingestion : May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : See below for route-specific details.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Polypropylene glycol monobutyl ether (9003-13-8)

LC50 - Fish [1]	104 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Polypropylene glycol monobutyl ether (9003-13-8)

Partition coefficient n-octanol/water (Log Pow)	(>1.18 - <4.37 - at 28 °C)
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of the material collected according to regulations.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling, disposal or collection.

SECTION 14: Transport information

In accordance with TDG

TDG	
14.1. UN number	Not regulated
14.2. Proper Shipping Name	Not regulated
14.3. Transport hazard class(es)	Not regulated

Permatex Green Silicone Brake Lubricant

Safety Data Sheet

According to the Hazardous Products Regulation (February 11, 2015)

TDG	
14.4. Packing group	
	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 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

All components of this product are present on DSL, except for:

Calcium alkaryl sulfonate (071486-79-8)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

SECTION 16: Other information

Issue date : 12/04/2024

Other information : For an updated SDS, please contact the supplier or manufacturer listed on the first page of the document.

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