

BRAKE & PARTS KLEEN

SAFETY DATA SHEET

According to Canada's Hazardous Products Regulations (HPR) SOR/2015-17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name Mixture
CAS No. Mixture
Product Name BRAKE & PARTS KLEEN
Product Code 313P

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Automotive Brake Cleaner
Uses Advised Against None

Company Identification Kleen-Flo Tumbler Ind. Ltd.
75 Advance Blvd., Brampton
Ontario L6T 4N1

Telephone 905-793-4311
Fax 905-793-4318

Emergency 905-793-4311(Monday to Friday 8:30am to 4:30pm EST) (English Language Only)
telephone number 450-265-6444(Monday to Friday 8:30am to 4:30pm EST) (French Language Only)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

HPR/WHIMIS 2015/GHS Classification, Rev. 7

Aerosol 3; Eye Irrit. 2; Skin Irrit. 2; Carc. 2; STOT SE 1

Label elements

Hazard Symbol

**WARNING**

Signal Word(s)

Hazard Statement(s)

Pressurised container: May burst if heated.

Causes serious eye irritation.

Causes skin irritation.

May cause drowsiness or dizziness.

Precautionary Statement(s)

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not pierce or burn, even after use.

Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Wash hands and exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Use only outdoors or in a well-ventilated area.

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Avoid breathing mist/vapours/spray.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is laboured, administer oxygen. Treat symptomatically. If symptoms persist, obtain medical attention.

IF ON SKIN: Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Treat symptomatically. Contaminated clothing should be laundered before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

IF exposed or concerned: Get medical advice/attention. Treat symptomatically.

Store locked up. Store in a well-ventilated place. Keep cool.

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Keep out of reach of children.

Other hazards

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.	Hazard classification
Tetracholorethylene	≥ 95	127-18-4	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Carc. 2; H351 STOT SE 3; H336 Aquatic Acute 2; H401 Aquatic Chronic 2; H411
Carbon Dioxide	1 - 5	124-38-9	Compressed dissolved gas; H280

Additional Information – None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is laboured, administer oxygen. Treat symptomatically. If symptoms persist, obtain medical attention.

Skin Contact

Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Treat symptomatically. Contaminated clothing should be laundered before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.

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Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media
-Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.
Do not use water jet.

Special hazards arising from the substance or mixture

Keep containers cool by spraying with water if exposed to fire.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Environmental precautions

None

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Avoid breathing mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Store in a well-ventilated place. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidising chemicals.

Specific end use(s)

Automotive Brake Cleaner

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		OEL (Canada)	TLV (ACGIH)	OEL (Canada)	TLV (ACGIH)	
Tetrachlorethylene	127-18-4	25 ppm	25 ppm	100 ppm	100 ppm	-----
Carbon dioxide	124-38-9	5000 ppm	5000 ppm	30,000 ppm	30,000 ppm	-----

Recommended monitoring method

NIOSH 3704 (Perchloroethylene)

Exposure controls

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Appropriate engineering controls

Ensure adequate ventilation.

Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber).
Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Aerosol spray
Color.	Clear
Odour	Ether-like
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	-22 °C (-7.6 °F)
Boiling point/boiling range (°C):	121.4°C (250.52 °F)
Flash Point (°C)	>93 (200 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Note: 1*
Explosive Limit Ranges	Not available
Vapour pressure (Pascal)	2500 @ 25 °C
Vapour Density (Air=1)	Not available
Density (g/ml)	1.61 @ 25 °C
Solubility (Water)	150 mg/L
Solubility (Other)	Miscible
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	0.524 mm ² /s
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

Other information

*Note: 1 - Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical stability

Stable.

Possibility of hazardous reactions

None anticipated.

Conditions to avoid

Avoid contact with heat and ignition sources.

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Incompatible materials

This product should be stored away from sources of strong heat or oxidising chemicals.

Hazardous decomposition product(s)

Chlorine, Hydrogen chloride, Phosgene, Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Tetrachloroethylene (CAS No. 127-18-4):

Acute toxicity (calculated / estimated)

Oral: LD50 3005-3835 mg/kg-bw
Dermal: LD50 >10000 mg/kg-bw
Inhalation: LC0 ≥20 mg/l (Vapour), 4-hr. rat - May cause drowsiness or dizziness.

Irritation/Corrosivity

Causes skin irritation. Repeated exposure may cause skin dryness or cracking. Causes serious eye irritation.

Sensitisation

May cause an allergic skin reaction.

Repeated dose toxicity

Oral: LOEL 390-540 mg/kg
Inhalation: LOAEC ≥200 ppm

Carcinogenicity

Suspected of causing cancer.

NTP	IARC	ACGIH
Reasonably anticipated	2A	A3

Mutagenicity

Not to be expected

Reproductive toxicity

Not to be expected

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Tetrachloroethylene (CAS No. 127-18-4):

Short term

LC50 (96 hour): 5 mg/L (*Limanda limanda*)
EC50 (48 hour): 8.5 mg/L (*Daphnia magna*)
EC50 (72 hour): 3.64 mg/L (*Chlamydomonas reinhardtii*)

Long Term

NOEC (28 days): 2.34 mg/L (*Jordanella floridae*)
NOEC (28 days): 0.51 mg/L (*Daphnia magna*)
LOEL (72 hour): 3.64 mg/L (*Chlamydomonas reinhardtii*)

Persistence and degradability

Not readily biodegradable.

Bioaccumulative potential

The product has no potential for bioaccumulation.

Mobility in soil

The product has high mobility in soil.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	Land transport (TDG)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	1950	1950	1950

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Proper Shipping Name	Aerosols	Aerosols	Aerosols
Transport hazard class(es)	2.2	2.2	2.2
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Canada (DSL/NDSL) - DSL: All chemicals listed. Tetrachlorethylene (CAS No. 127-18-4) is subject to Significant New Activity (SNAc) Orders and Notices.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: April 18, 2017

Revision: September 3, 2024

Hazard Statement(s) and Risk Phrases Listed in:

Hazard Statement(s)

- H280: Contains gas under pressure; may explode if heated.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H351: Suspected of causing cancer.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

Training advice: None.

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