



# CRC® Brakleen® Brake Parts Cleaner, 3.78 L

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)  
Issue date: 2025-02-17 Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Trade name : CRC® Brakleen® Brake Parts Cleaner, 3.78 L  
Product code : 1006336  
Part number : 75090

#### 1.2. Recommended use and restrictions on use

Recommended use : Brake Parts Cleaner  
Restrictions on use : For professional and industrial use only

#### 1.3. Supplier

CRC Canada Co.  
83 Galaxy Blvd.  
Unit 35 - 37  
Toronto, ON M9W 5X6  
Canada  
T 416-847-7750  
[crcindustries.ca](http://crcindustries.ca)

#### 1.4. Emergency telephone number

Emergency number : 800-424-9300 (CHEMTREC)  
24-Hour Emergency

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

Skin corrosion/irritation, Category 2	Causes skin irritation.
Serious eye damage/eye irritation, Category 2B	Causes eye irritation.
Skin sensitization, Category 1B	May cause an allergic skin reaction.
Carcinogenicity, Category 1B	May cause cancer (Inhalation).
Specific target organ toxicity – Single exposure, Category 3, Narcosis	May cause drowsiness or dizziness.
Hazardous to the aquatic environment, Acute Hazard, Category 2	Toxic to aquatic life.
Hazardous to the aquatic environment, Chronic Hazard, Category 2	Toxic to aquatic life with long lasting effects.

#### 2.2. GHS Label elements, including precautionary statements

##### GHS CA labeling

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : Causes skin irritation  
May cause an allergic skin reaction  
Causes eye irritation  
May cause drowsiness or dizziness  
May cause cancer (Inhalation).

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Precautionary statements (GHS CA) : Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing mist, vapors, spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves, protective clothing, eye and face protection.  
Wash hands thoroughly after handling.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice or attention.  
Take off contaminated clothing and wash it before reuse.  
Contaminated work clothing should not be allowed out of the workplace.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or a doctor if you feel unwell.  
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 or attention.  
IF exposed or concerned: Get medical advice or attention.  
Store locked up.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national regulations.

### 2.3. Other hazards

Other hazards which do not result in classification : When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen chloride and possibly phosgene.

### 2.4. Unknown acute toxicity (GHS CA)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Ethene, 1,1,2,2-tetrachloro-	Tetrachloroethene (Perchloroethylene (PCE))	CAS-No.: 127-18-4	80 - 100

Full text of hazard classes and H-statements : see section 16

Comments : The exact percentage (concentration) of composition has been withheld as a trade secret.  
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 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. Get medical advice/attention if you feel unwell.  
First-aid measures after skin contact : Wash skin with soap and water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after 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.

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First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.  
First-aid measures general : If exposed or concerned, get medical advice and attention. Show this safety data sheet to the doctor in attendance.

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

Symptoms/effects : May cause drowsiness or dizziness. Headache, nausea, vomiting. Causes eye irritation. Causes skin irritation. May cause an allergic skin reaction.  
Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.  
Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Causes eye irritation.  
Symptoms/effects after ingestion : None under normal conditions.

### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.3. Specific hazards arising from the hazardous product

Fire hazard : No fire hazard.  
Explosion hazard : No direct explosion hazard.  
Hazardous decomposition products in case of fire : Toxic fumes may be released. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen chloride and possibly phosgene.

### 5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
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 : Stop leak if safe to do so. Absorb spillage to prevent material-damage. Notify authorities if product enters sewers or public waters.

### 6.2. Methods and materials for containment and cleaning up

For containment : Stop leak, if possible without risk. Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

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### 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 : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Avoid breathing mist, vapors, spray. Use only outdoors or in a well-ventilated area. Maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wear personal protective equipment. Avoid contact with skin and eyes. Floors, walls and other surfaces in the hazard area must be cleaned regularly. For product usage instructions, see the product label.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a cool, dry place out of direct sunlight.
- Packaging materials : Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Ethene, 1,1,2,2-tetrachloro- (127-18-4)</b>	
<b>Canada (Alberta) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene (Perchloroethylene)
OEL TWA	170 mg/m <sup>3</sup>
	25 ppm
OEL STEL	678 mg/m <sup>3</sup>
	100 ppm
Regulatory reference	Alberta Regulation 191/2021
<b>Canada (Quebec) - Occupational Exposure Limits</b>	
Local name	Perchloroethylene (Tetrachloroethylene)
VECD (OEL STEV)	685 mg/m <sup>3</sup>
	100 ppm
VEMP (OEL TWA EV)	170 mg/m <sup>3</sup>
	25 ppm
Notations and remarks	C3

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<b>Ethene, 1,1,2,2-tetrachloro- (127-18-4)</b>	
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
<b>Canada (British Columbia) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene (Perchloroethylene)
OEL TWA	25 ppm
OEL STEL	100 ppm
Notations and remarks	IARC group 2A carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene
OEL TWA	25 ppm
OEL STEL	100 ppm
Notations and remarks	TLV® Basis: CNS impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene
OEL TWA	25 ppm
OEL STEL	100 ppm
Notations and remarks	TLV® Basis: CNS impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene
OEL TWA	25 ppm
OEL STEL	100 ppm
Notations and remarks	TLV® Basis: CNS impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene (Perchloroethylene)
OEL TWA	25 ppm
OEL STEL	100 ppm
Notations and remarks	Designated substance
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)

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<b>Ethene, 1,1,2,2-tetrachloro- (127-18-4)</b>	
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene (Perchloroethylene)
OEL TWA	25 ppm
OEL STEL	100 ppm
Notations and remarks	Designated substance
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene
OEL TWAEV	25 ppm 100 ppm
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene
OEL TWA	25 ppm
OEL STEL	100 ppm
Notations and remarks	TLV® Basis: CNS impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
<b>Canada (Saskatchewan) - Occupational Exposure Limits</b>	
Local name	Tetrachloroethylene (Perchloroethylene)
OEL TWA	25 ppm
OEL STEL	100 ppm
Notations and remarks	Designated Chemical Substance
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Wear protective gloves such as: Nitrile, Polyvinylalcohol (PVA), Butyl rubber

#### Eye protection:

Wear safety glasses with side shields (or goggles).

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### Skin and body protection:

Wear appropriate chemical resistant clothing.

### Respiratory protection:

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: Irritating
Melting point	: -22.3 °C (-8.1 °F) estimated
Freezing point	: -22.3 °C (-8.1 °F) estimated
Boiling point	: 121.3 °C (250.3 °F) estimated
Flammability (solid, gas)	: Not applicable
Explosion limits	: Lower explosion limit: 12 % estimated Upper explosion limit: 29 % estimated
Flash point	: None
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: No data available
Viscosity, kinematic	: No data available
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Vapor pressure	: 13 mm Hg (68 °F (20 °C))
Density	: 13.52 lb/gal
Relative density	: 1.62
Relative vapor density at 20°C	: 5.76 (air=1)
Particle characteristics	: No data available

### 9.2. Other information

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, hot surfaces, sparks, open flames and other ignition sources. No smoking. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen chloride and possibly phosgene.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: Carbon oxides (CO, CO <sub>2</sub> ). Hydrogen chloride. Chlorine. Phosgene.

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### 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

<b>Ethene, 1,1,2,2-tetrachloro- (127-18-4)</b>	
LD50 oral rat	3005 mg/kg
LD50 dermal rabbit	> 10000 mg/kg Source: ECHA
LC50 Inhalation - Rat [ppm]	3786 ppm

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes eye irritation.  
Respiratory or skin sensitization : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : May cause cancer (Inhalation).

<b>Ethene, 1,1,2,2-tetrachloro- (127-18-4)</b>	
IARC group	2A - Probably carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness.  
STOT-repeated exposure : Not classified

<b>Ethene, 1,1,2,2-tetrachloro- (127-18-4)</b>	
LOAEL (oral,rat,90 days)	390 mg/kg bw/day

Aspiration hazard : Not classified  
Symptoms/effects : May cause drowsiness or dizziness. Headache, nausea, vomiting. Causes eye irritation. Causes skin irritation. May cause an allergic skin reaction.  
Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.  
Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Causes eye irritation.  
Symptoms/effects after ingestion : None under normal conditions.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

<b>Ethene, 1,1,2,2-tetrachloro- (127-18-4)</b>	
LC50 - Fish [1]	5 mg/l
LC50 - Fish [2]	5 mg/l Test organisms (species): Limanda limanda
EC50 - Crustacea [1]	8.5 mg/l
ErC50 algae	3.64 mg/l
EC50 72h - Algae [1]	3.64 mg/l Source: ECHA
NOEC chronic fish	2.34 mg/l
NOEC chronic crustacea	0.51 mg/l

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### 12.2. Persistence and degradability

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Persistence and degradability	No data is available on the degradability of this product.
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### 12.3. Bioaccumulative potential

#### Ethene, 1,1,2,2-tetrachloro- (127-18-4)

Partition coefficient n-octanol/water (Log Pow)	2.53
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified

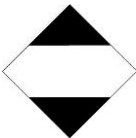
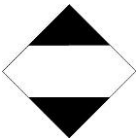

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation	: Dispose of contents/container in accordance with local/regional/national regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations. Do not allow to enter sewers, surface or groundwater.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations. Empty container can be recycled.
Additional information	: Do not re-use empty containers. Empty containers retain product residue and can be hazardous.

## SECTION 14: Transport information

In accordance with TDG / IMDG / IATA

TDG	IMDG	IATA
<b>14.1. UN number</b>		
UN1897	1897	1897
<b>14.2. Proper Shipping Name</b>		
TETRACHLOROETHYLENE (Limited quantity)	TETRACHLOROETHYLENE (Limited quantity)	Tetrachloroethylene
<b>14.3. Transport hazard class(es)</b>		
LTD QTY	LTD QTY	6.1
		
<b>14.4. Packing group</b>		
III	III	III
<b>14.5. Environmental hazards</b>		
Marine Pollutant Exception		

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### 14.6. Special precautions for user

#### TDG

	:	
UN-No. (TDG)	:	UN1897
Explosive Limit and Limited Quantity Index	:	5 L
Excepted quantities (TDG)	:	E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	60 L
Emergency Response Guide (ERG) Number	:	160

#### IMDG

Class (IMDG)	:	6.1 - Toxic substances
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-A - SPILLAGE SCHEDULE Alfa - TOXIC SUBSTANCES
Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW2
Segregation (IMDG)	:	SGG10
Properties and observations (IMDG)	:	Colorless liquid with an ethereal odor. When involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by inhalation.

#### IATA

Class (IATA)	:	6.1 - Toxic Substances
PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y642
PCA limited quantity max net quantity (IATA)	:	2L
PCA packing instructions (IATA)	:	655
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	663
CAO max net quantity (IATA)	:	220L
ERG code (IATA)	:	6L

### 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

#### Ethene, 1,1,2,2-tetrachloro- (127-18-4)

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

#### Ethene, 1,1,2,2-tetrachloro- (127-18-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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### 15.2. Other Regulatory Information

Volatile Organic Compound Concentration Limits for Certain Products Regulations: SOR/2021-268

VOC content	0 %
Product Category	Automotive brake cleaner

### SECTION 16: Other information

Issue date	: 02-17-2025
Other information	: CRC# 00491G/1002481.
Author	Angelina Cibulskis

Safety Data Sheet (SDS), Canada, CRC

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