



# CRC® Brakleen® Brake Parts Cleaner, 19 Wt Oz

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)  
Issue date: 5/1/2025 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Trade name : CRC® Brakleen® Brake Parts Cleaner, 19 Wt Oz  
Product code : 1003708  
Part number : 05089

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

Recommended use : Brake Parts Cleaner  
Restrictions on use : After December 8, 2026, this product cannot be distributed in commerce to retailers for any use. After March 8, 2027, chemical substances/products can only be distributed in commerce or processed with a concentration of PCE equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant/intermediate; (2) Processing into formulation, mixture or reaction product; (3) Processing by repackaging; (4) Recycling; (5) Industrial and commercial use as solvent in open-top batch vapor degreasing; (6) Industrial and commercial use as solvent in closed-loop batch vapor degreasing; (7) Industrial and commercial use in maskant for chemical milling; (8) Industrial and commercial use as a processing aid in catalyst regeneration in petrochemical manufacturing; (9) Industrial and commercial use as a processing aid in sectors other than petrochemical manufacturing; (10) Industrial and commercial use as solvent for cold cleaning of tanker vessels; (11) Industrial and commercial use as energized electrical cleaner; (12) Industrial and commercial use in laboratory chemicals; (13) Industrial and commercial use in solvent-based adhesives and sealants; (14) Industrial and commercial use in dry cleaning in 3rd generation machines until December 20, 2027; (15) Industrial and commercial use in all dry cleaning and related spot cleaning until December 19, 2034; (16) Export; and (17) Disposal.

#### 1.3. Supplier

##### Manufactured or sold by:

CRC Industries, Inc.  
885 Louis Dr.  
Warminster, PA 18974  
United States  
T 1-800-556-5074  
[crcindustries.com](http://crcindustries.com)

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300  
24-Hour Emergency

### SECTION 2: Hazard(s) identification

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

##### GHS US classification

Aerosol, Category 3  
Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 2B  
Skin sensitization, Category 1B  
Carcinogenicity, Category 1B  
Specific target organ toxicity – Single exposure, Category 3, Narcosis  
Hazardous to the aquatic environment — Acute Hazard, Category 2  
Hazardous to the aquatic environment — Chronic Hazard, Category 2

Pressurized container: may burst if heated.  
Causes skin irritation.  
Causes eye irritation.  
May cause an allergic skin reaction.  
May cause cancer (Inhalation).  
May cause drowsiness or dizziness.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

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

#### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: Pressurized container: may burst if heated  
Causes skin irritation  
May cause an allergic skin reaction  
Causes eye irritation  
May cause drowsiness or dizziness  
May cause cancer (Inhalation)

Precautionary statements (GHS US)

: 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.  
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.  
Wear protective gloves, protective clothing, eye and face protection.  
Wash hands thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a poison center or doctor if you feel unwell.  
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.  
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/attention.  
Store locked up.  
Store in a well-ventilated place.  
Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).  
Dispose of contents/container in accordance with local/regional/national regulations.

### 2.3. Other hazards which do not result in classification

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

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

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 /<br>Synonyms | Product identifier | %        |
|---------------------|-----------------------------|--------------------|----------|
| tetrachloroethylene | Perchloroethylene (PCE)     | CAS-No.: 127-18-4  | 80 - 100 |
| Carbon dioxide      | Carbon dioxide              | CAS-No.: 124-38-9  | 1 - 5    |

Comments : Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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 plenty of 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.

First-aid measures after ingestion : Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. May cause serious damage to health by prolonged exposure through inhalation.

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 : May cause mild irritation to the digestive tract.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

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

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

### 5.2. Specific hazards arising from the chemical

Fire hazard : The product is not flammable.

Explosion hazard : No direct explosion hazard. Pressurized container may rupture when exposed to heat or flame.

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.

### 5.3. 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. In case of fire: Stop leak if safe to do so. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers.

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Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

## 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.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing mist, vapors, spray. Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material 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.

Additional Regulatory Information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : 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. Provide local exhaust or general room ventilation. Wear personal protective equipment. 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. If you experience any symptoms listed on this label, increase ventilation or leave the area. Avoid contact with skin and eyes. Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Exposure to high temperature may cause can to burst. Do not use if spray button is missing or defective. 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. Wash contaminated clothing before reuse. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

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

Storage conditions : Level 1 Aerosol. Store locked up. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Carbon dioxide (124-38-9)                  |                                                                                                           |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| USA - ACGIH - Occupational Exposure Limits |                                                                                                           |
| Local name                                 | Carbon dioxide                                                                                            |
| ACGIH OEL TWA                              | 9000 mg/m <sup>3</sup>                                                                                    |
|                                            | 5000 ppm                                                                                                  |
| ACGIH OEL STEL                             | 54000 mg/m <sup>3</sup>                                                                                   |
|                                            | 30000 ppm                                                                                                 |
| Remark (ACGIH)                             | TLV® Basis: Asphyxia                                                                                      |
| Regulatory reference                       | ACGIH 2025                                                                                                |
| USA - OSHA - Occupational Exposure Limits  |                                                                                                           |
| Local name                                 | Carbon dioxide                                                                                            |
| OSHA PEL TWA                               | 9000 mg/m <sup>3</sup>                                                                                    |
|                                            | 5000 ppm                                                                                                  |
| Regulatory reference (US-OSHA)             | OSHA Annotated Table Z-1                                                                                  |
| USA - NIOSH - Occupational Exposure Limits |                                                                                                           |
| Local name                                 | Carbon dioxide                                                                                            |
| NIOSH REL 10h TWA                          | 5000 ppm                                                                                                  |
| NIOSH REL STEL                             | 30000 ppm                                                                                                 |
| Regulatory reference (US-NIOSH)            | OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))                                   |
| tetrachloroethylene (127-18-4)             |                                                                                                           |
| USA - ACGIH - Occupational Exposure Limits |                                                                                                           |
| Local name                                 | Tetrachloroethylene                                                                                       |
| ACGIH OEL TWA                              | 170 mg/m <sup>3</sup>                                                                                     |
|                                            | 25 ppm                                                                                                    |
| ACGIH OEL STEL                             | 685 mg/m <sup>3</sup>                                                                                     |
|                                            | 100 ppm                                                                                                   |
| Remark (ACGIH)                             | TLV® Basis: CNS impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI |
| Regulatory reference                       | ACGIH 2025                                                                                                |
| USA - ACGIH - Biological Exposure Indices  |                                                                                                           |
| Local name                                 | Tetrachloroethylene                                                                                       |

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| tetrachloroethylene (127-18-4)                                                       |                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BEI                                                                                  | 3 ppm Parameter: Tetrachloroethylene - Medium: end-exhaled air - Sampling time: Prior to shift<br>0.5 mg/l Parameter: Tetrachloroethylene - Medium: blood - Sampling time: Prior to shift |
| Regulatory reference                                                                 | ACGIH 2025                                                                                                                                                                                |
| USA - OSHA - Occupational Exposure Limits                                            |                                                                                                                                                                                           |
| Local name                                                                           | Perchloroethylene (Tetrachloroethylene)                                                                                                                                                   |
| OSHA PEL TWA                                                                         | 100 ppm                                                                                                                                                                                   |
| OSHA PEL C                                                                           | 200 ppm                                                                                                                                                                                   |
| Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift | 300 ppm 5 mins. in any 3 hrs.                                                                                                                                                             |
| Regulatory reference (US-OSHA)                                                       | OSHA Annotated Table Z-2                                                                                                                                                                  |
| USA - NIOSH - Occupational Exposure Limits                                           |                                                                                                                                                                                           |
| Local name                                                                           | Perchloroethylene (Tetrachloroethylene)                                                                                                                                                   |
| Remark (NIOSH)                                                                       | Ca = Potential occupational carcinogens                                                                                                                                                   |
| Regulatory reference (US-NIOSH)                                                      | OSHA Annotated Table Z-2 (NIOSH Pocket Guide to Chemical Hazards (NPG))                                                                                                                   |

### 8.2. Appropriate engineering controls

|                                  |                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Environmental exposure controls  | : Avoid release to the environment.                                                                                                                                     |

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

#### Personal protective equipment:

Wear recommended personal protective equipment.

|                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hand protection:</b>                                                                                                                                                                                                                                                                                                            |
| Wear protective gloves such as: Nitrile, Polyvinylalcohol (PVA), Butyl rubber                                                                                                                                                                                                                                                      |
| <b>Eye protection:</b>                                                                                                                                                                                                                                                                                                             |
| Wear safety glasses with side shields (or goggles).                                                                                                                                                                                                                                                                                |
| <b>Skin and body protection:</b>                                                                                                                                                                                                                                                                                                   |
| Wear appropriate chemical resistant clothing.                                                                                                                                                                                                                                                                                      |
| <b>Respiratory protection:</b>                                                                                                                                                                                                                                                                                                     |
| 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 |

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|                                                 |                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------|
| Odor threshold                                  | : 50 ppm                                                                       |
| Melting point                                   | : -8.1 °F (-22.3 °C) estimated                                                 |
| Freezing point                                  | : -8.1 °F (-22.3 °C) estimated                                                 |
| Boiling point                                   | : 250.3 °F (121.3 °C) estimated                                                |
| Flammability (solid, gas)                       | : Not flammable.                                                               |
| Explosion limits                                | : Lower explosion limit: Not flammable<br>Upper explosion limit: Not flammable |
| Flash point                                     | : None (Closed cup)                                                            |
| Auto-ignition temperature                       | : No data available                                                            |
| Decomposition temperature                       | : No data available                                                            |
| pH                                              | : No data available                                                            |
| Viscosity, kinematic                            | : No data available                                                            |
| Viscosity, dynamic                              | : No data available                                                            |
| Solubility                                      | : Water: 0.02 %                                                                |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                                            |
| Vapor pressure                                  | : 1230 hPa estimated                                                           |
| Evaporation rate                                | : Very fast                                                                    |
| Density and/or relative density                 |                                                                                |
| Density                                         | : 13.52 lb/gal Concentrate                                                     |
| Relative density                                | : 1.62 Concentrate                                                             |
| Relative vapor density at 20°C                  | : 5.76 (air=1)                                                                 |
| Particle characteristics                        | : No data available                                                            |
| Explosive properties                            | : Pressurized container: may burst if heated.                                  |
| Oxidizing properties                            | : No data available                                                            |

### 9.2. Additional Regulatory Information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions. Pressurized container: may burst if heated.

### 10.3. Possibility of hazardous reactions

May react violently with finely divided metals. When exposed to extreme heat or hot surfaces, vapors may decompose to toxic gases such as hydrogen chloride and possibly phosgene.

### 10.4. Conditions to avoid

High temperature.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases. Finely divided metals (Al, Mg, Zn).

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Halogenated compounds. Carbonyl halides. Hydrogen chloride. Phosgene.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                                     |                                                                                                                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. May cause serious damage to health by prolonged exposure through inhalation. |
| 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    | : May cause mild irritation to the digestive tract.                                                                                                                              |
| Acute toxicity (oral)               | : Not classified (Based on available data, the classification criteria are not met)                                                                                              |
| Acute toxicity (dermal)             | : Not classified (Based on available data, the classification criteria are not met)                                                                                              |
| Acute toxicity (inhalation)         | : Not classified (Based on available data, the classification criteria are not met)                                                                                              |

#### tetrachloroethylene (127-18-4)

|                             |                            |
|-----------------------------|----------------------------|
| 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.

#### Carbon dioxide (124-38-9)

|    |                  |
|----|------------------|
| pH | 3.2 Source: HSDB |
|----|------------------|

Serious eye damage/irritation : Causes eye irritation.

#### Carbon dioxide (124-38-9)

|    |                  |
|----|------------------|
| pH | 3.2 Source: HSDB |
|----|------------------|

|                                   |                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------|
| Respiratory or skin sensitization | : May cause an allergic skin reaction.                                              |
| Germ cell mutagenicity            | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity                   | : May cause cancer (Inhalation).                                                    |

#### tetrachloroethylene (127-18-4)

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| IARC group                             | 2A - Probably carcinogenic to humans          |
| National Toxicity Program (NTP) Status | Reasonably anticipated to be Human Carcinogen |

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Reproductive toxicity  | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure   | : May cause drowsiness or dizziness.                                                |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |

#### tetrachloroethylene (127-18-4)

|                          |                  |
|--------------------------|------------------|
| LOAEL (oral,rat,90 days) | 390 mg/kg bw/day |
|--------------------------|------------------|

|                      |                                                                                     |
|----------------------|-------------------------------------------------------------------------------------|
| Aspiration hazard    | : Not classified (Based on available data, the classification criteria are not met) |
| Viscosity, kinematic | : No data available                                                                 |

#### tetrachloroethylene (127-18-4)

|                      |             |
|----------------------|-------------|
| Viscosity, kinematic | 0.524 mm²/s |
|----------------------|-------------|

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

#### Carbon dioxide (124-38-9)

|                 |                      |
|-----------------|----------------------|
| LC50 - Fish [1] | 35 mg/l Source: HSDB |
|-----------------|----------------------|

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### tetrachloroethylene (127-18-4)

|                        |                                                  |
|------------------------|--------------------------------------------------|
| LC50 - Fish [1]        | 5 mg/l                                           |
| EC50 - Crustacea [1]   | 8.5 mg/l                                         |
| LC50 - Fish [2]        | 5 mg/l Test organisms (species): Limanda limanda |
| EC50 72h - Algae [1]   | 3.64 mg/l Source: ECHA                           |
| ErC50 algae            | 3.64 mg/l                                        |
| NOEC chronic fish      | 2.34 mg/l                                        |
| NOEC chronic crustacea | 0.51 mg/l                                        |

### 12.2. Persistence and degradability

#### CRC® Brakleen® Brake Parts Cleaner, 19 Wt Oz

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| Persistence and degradability | No data is available on the degradability of this product. |
|-------------------------------|------------------------------------------------------------|

### 12.3. Bioaccumulative potential

#### Carbon dioxide (124-38-9)

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.83 Source: ISCS |
|-------------------------------------------------|-------------------|

#### tetrachloroethylene (127-18-4)

|                                                 |      |
|-------------------------------------------------|------|
| Partition coefficient n-octanol/water (Log Pow) | 2.53 |
|-------------------------------------------------|------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|                                            |                                                                                                                                                                                                                    |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. Full or partially-full aerosol cans can be treated as universal waste. Empty container can be recycled.                                                 |
| Hazardous waste code                       | : Possible RCRA waste code includes:<br>D039: Tetrachloroethylene<br>F001: Waste Tetrachloroethylene - Spent halogenated solvent used in degreasing<br>F002: Waste Tetrachloroethylene - Spent halogenated solvent |
| Additional information                     | However, it is the generator's responsibility to determine the proper classification and disposal method at the time of disposal.<br>: Contents under pressure.                                                    |

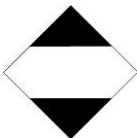
## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

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| DOT                                                                               | IMDG                                                                              | IATA                                                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>14.1. UN number</b>                                                            |                                                                                   |                                                                                     |
| UN1950                                                                            | 1950                                                                              | 1950                                                                                |
| <b>14.2. Proper Shipping Name</b>                                                 |                                                                                   |                                                                                     |
| Aerosols, Limited quantity                                                        | AEROSOLS                                                                          | Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III   |
| <b>14.3. Transport hazard class(es)</b>                                           |                                                                                   |                                                                                     |
| LTD QTY                                                                           | 2.2 (6.1)                                                                         | 2.2 (6.1)                                                                           |
|  |  |  |
| <b>14.4. Packing group</b>                                                        |                                                                                   |                                                                                     |
| Not applicable                                                                    | Not applicable                                                                    | Not applicable                                                                      |
| <b>14.5. Environmental hazards</b>                                                |                                                                                   |                                                                                     |
| Marine Pollutant Exception                                                        |                                                                                   |                                                                                     |

### 14.6. Special precautions for user

#### DOT

|                                                                  |                                                                                                                                                                              |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Class (DOT)                                                      | : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115                                                                                                              |
| Subsidiary risk (DOT)                                            | : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132                                                                                                                       |
| UN-No. (DOT)                                                     | : UN1950                                                                                                                                                                     |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 306                                                                                                                                                                        |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : Forbidden                                                                                                                                                                  |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : Forbidden                                                                                                                                                                  |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.                                                                      |
| DOT Vessel Stowage Other                                         | : 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials |

#### IMDG

|                             |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| Class (IMDG)                | : 2 - Gases                                                               |
| Subsidiary hazard (IMDG)    | : 6.1 - Toxic substances                                                  |
| Special provision (IMDG)    | : 63, 190, 277, 327, 344, 381, 959                                        |
| Limited quantities (IMDG)   | : SP277                                                                   |
| Excepted quantities (IMDG)  | : E0                                                                      |
| Packing instructions (IMDG) | : P207, LP200                                                             |
| Packing provisions (IMDG)   | : PP87, L2                                                                |
| EmS-No. (Fire)              | : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES                             |
| EmS-No. (Spillage)          | : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE) |
| Stowage category (IMDG)     | : None                                                                    |
| Stowage and handling (IMDG) | : SW1, SW22                                                               |
| Segregation (IMDG)          | : SG69                                                                    |

#### IATA

|                           |                          |
|---------------------------|--------------------------|
| Class (IATA)              | : 2 - Gases              |
| Subsidiary hazards (IATA) | : 6.1 - Toxic Substances |

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|                                              |                    |
|----------------------------------------------|--------------------|
| PCA Excepted quantities (IATA)               | : E0               |
| PCA Limited quantities (IATA)                | : Y203             |
| PCA limited quantity max net quantity (IATA) | : 30kgG            |
| PCA packing instructions (IATA)              | : 203              |
| PCA max net quantity (IATA)                  | : 75kg             |
| CAO packing instructions (IATA)              | : 203              |
| CAO max net quantity (IATA)                  | : 150kg            |
| Special provision (IATA)                     | : A145, A167, A802 |
| ERG code (IATA)                              | : 2P               |

### 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. US Federal regulations

#### Toxic Substances Control Act (TSCA)

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

| Name                | CAS-No.  | Commercial status | Flags |
|---------------------|----------|-------------------|-------|
| Carbon dioxide      | 124-38-9 | Active            |       |
| tetrachloroethylene | 127-18-4 | Active            |       |

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

|                                                    |                                              |
|----------------------------------------------------|----------------------------------------------|
| tetrachloroethylene (127-18-4)                     | Listed on EPA Hazardous Air Pollutant (HAPS) |
| carbon tetrachloride, tetrachloromethane (56-23-5) | Listed on EPA Hazardous Air Pollutant (HAPS) |

#### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance

|                                 |                                                                                                                                                                                                             |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CERCLA Section 103 (40CFR302.4) | Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee. |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### CERCLA RQ

|                                                    |        |
|----------------------------------------------------|--------|
| tetrachloroethylene (127-18-4)                     | 100 lb |
| carbon tetrachloride, tetrachloromethane (56-23-5) | 10 lb  |

#### Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986)

##### Section 302 Extremely Hazardous Substance

Not listed

##### Section 304 Emergency Release Notification

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Not listed

### Sections 311/312 Hazard Classification

| CRC® Brakleen® Brake Parts Cleaner, 19 Wt Oz |                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SARA Section 311/312 Hazard Classes          | Physical hazard - Gas under pressure<br>Health hazard - Serious eye damage or eye irritation<br>Health hazard - Skin corrosion or Irritation<br>Health hazard - Respiratory or skin sensitization<br>Health hazard - Carcinogenicity<br>Health hazard - Specific target organ toxicity (single or repeated exposure) |

### Section 313 (TRI Reporting)

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|                     |                 |           |
|---------------------|-----------------|-----------|
| tetrachloroethylene | CAS-No.127-18-4 | 80 - 100% |
|---------------------|-----------------|-----------|

### Additional Regulatory Information

After December 8, 2026, this product cannot be distributed in commerce to retailers for any use. After March 8, 2027, chemical substances/products can only be distributed in commerce or processed with a concentration of PCE equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant/intermediate; (2) Processing into formulation, mixture or reaction product; (3) Processing by repackaging; (4) Recycling; (5) Industrial and commercial use as solvent in open-top batch vapor degreasing; (6) Industrial and commercial use as solvent in closed-loop batch vapor degreasing; (7) Industrial and commercial use in maskant for chemical milling; (8) Industrial and commercial use as a processing aid in catalyst regeneration in petrochemical manufacturing; (9) Industrial and commercial use as a processing aid in sectors other than petrochemical manufacturing; (10) Industrial and commercial use as solvent for cold cleaning of tanker vessels; (11) Industrial and commercial use as energized electrical cleaner; (12) Industrial and commercial use in laboratory chemicals; (13) Industrial and commercial use in solvent-based adhesives and sealants; (14) Industrial and commercial use in dry cleaning in 3rd generation machines until December 20, 2027; (15) Industrial and commercial use in all dry cleaning and related spot cleaning until December 19, 2034; (16) Export; and (17) Disposal.

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

#### California Proposition 65

 **WARNING:** This product can expose you to chemicals including tetrachloroethylene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

| U.S. - California - Proposition 65 - Carcinogens List |         |
|-------------------------------------------------------|---------|
| Tetrachloroethylene (Perchloroethylene)(127-18-4)     | XLISTED |
| Carbon tetrachloride(56-23-5)                         | XLISTED |

### State Regulations

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| Component                     | State Regulations                                                                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carbon dioxide(124-38-9)      | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Rhode Island - Hazardous Substance List |
| tetrachloroethylene(127-18-4) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Rhode Island - Hazardous Substance List |

### 15.4 Other Regulatory Information

#### Volatile organic compound (VOC) regulation

|                                          |                                                                                                                                                                            |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPA                                      |                                                                                                                                                                            |
| VOC content (40 CFR 51.100(s))           | 0 %                                                                                                                                                                        |
| Consumer products (40 CFR 59, Subpt. C)) | Not regulated.                                                                                                                                                             |
| State                                    |                                                                                                                                                                            |
| Consumer products                        | This product is regulated as a Brake Cleaner.This product is not compliant to be sold for use in California and New Jersey. This product is compliant in all other states. |
| VOC Content (CA)                         | 0 %                                                                                                                                                                        |
| VOC Content (OTC)                        | 0 %                                                                                                                                                                        |

### SECTION 16: Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

|                   |                        |
|-------------------|------------------------|
| Author            | : Angelina Cibulskis   |
| Other information | : CRC# 00491G/1002481. |

Safety Data Sheet (SDS), USA, CRC

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