



CRC® HF Contact Cleaner, 311 g

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 2025-06-19 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Trade name : CRC® HF Contact Cleaner, 311 g
Product code : 1750735

1.2. Recommended use and restrictions on use

Recommended use : Electronics cleaner
Restrictions on use : None known

1.3. Supplier

Manufactured or sold by:

CRC Canada Co.
83 Galaxy Blvd.
Unit 35 - 37
Toronto, ON M9W 5X6
Canada
T 416-847-7750
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)

Aerosol, Category 1

Extremely flammable aerosol. Pressurized container; may burst if heated.

Aspiration hazard, Category 1

May be fatal if swallowed and enters airways.

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

: Danger

Hazard statements (GHS CA)

: Extremely flammable aerosol
Pressurized container; may burst if heated
May be fatal if swallowed and enters airways

Precautionary statements (GHS CA)

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
Do NOT induce vomiting.
Store locked up.

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Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Dispose of contents/container in accordance with local/regional/national regulations.

2.3. Other hazards

No additional information available

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	%
Distillates (petroleum), hydrotreated light	Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	80 – 100
Carbon dioxide	Carbon dioxide	CAS-No.: 124-38-9	1 – 5

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. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician immediately.

First-aid measures general : Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Call a physician immediately.

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

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Prolonged or repeated contact may cause skin to become dry.

Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/effects after ingestion : Aspiration may cause pulmonary edema and pneumonitis. May cause mild irritation to the digestive tract.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water fog. 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 : Extremely flammable aerosol.
Explosion hazard : Pressurized container may rupture when exposed to heat or flame.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. Stop leak if safe to do so. Absorb spillage to prevent material-damage. Notify authorities if product enters sewers or public waters.
Personal Precautions, Protective Equipment and Emergency Procedures : Wear appropriate protective equipment and clothing during clean-up.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leak, if possible without risk. Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.
Additional Regulatory Information : Dispose of materials or solid residues at an authorized site.

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 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Exposure to high temperature may cause can to burst. Do not use if spray button is missing or defective. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Prevent the build-up of electrostatic charge. 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. For product usage instructions, see the product label.

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Hygiene measures : 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. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Level 3 Aerosol. Store locked up. Store in a well-ventilated place. Keep in fireproof place. Keep cool. Protect from sunlight. 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)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m ³
	5000 ppm
OEL STEL	54000 mg/m ³
	30000 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Carbon dioxide
VECD (OEL STEV)	54000 mg/m ³
	30000 ppm
VEMP (OEL TWAEV)	9000 mg/m ³
	5000 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	5000 ppm
OEL STEL	15000 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m ³
	5000 ppm
OEL STEL	54000 mg/m ³
	30000 ppm
Notations and remarks	TLV® Basis: Asphyxia

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Carbon dioxide (124-38-9)	
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m ³ 5000 ppm
OEL STEL	54000 mg/m ³ 30000 ppm
Notations and remarks	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m ³ 5000 ppm
OEL STEL	54000 mg/m ³ 30000 ppm
Notations and remarks	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	5000 ppm
OEL STEL	30000 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	5000 ppm
OEL STEL	30000 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWAEV	5000 ppm 30000 ppm
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m ³

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Carbon dioxide (124-38-9)	
	5000 ppm
OEL STEL	54000 mg/m ³
	30000 ppm
Notations and remarks	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	5000 ppm
OEL STEL	30000 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. 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. Neoprene.

Eye protection:

Wear safety glasses with side shields (or goggles).

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 : Mild Hydrocarbon
Melting point : -56.6 °C (-69.9 °F) estimated
Freezing point : -56.6 °C (-69.9 °F) estimated
Boiling point : -78.5 °C (-109.3 °F) estimated
Flammability (solid, gas) : Not applicable
Explosion limits : Lower explosion limit: 0.6 % estimated
Upper explosion limit: 5.5 % estimated
Flash point : 95.6 °C (204 °F) Setflash
Auto-ignition temperature : 220 °C (428 °F) estimated

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Decomposition temperature	: No data available
pH	: No data available
Viscosity, kinematic	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Vapor pressure	: 1624.9 hPa estimated
Evaporation rate	: Slow
Density	: No data available
Relative density	: 0.82 estimated
Relative vapor density at 20°C	: 4.5 (air=1)
Particle characteristics	: No data available

9.2. Additional Regulatory 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	: Extremely flammable aerosol. Pressurized container: may burst if heated.
Possibility of hazardous reactions	: May mass explode in fire. Heating may cause a fire or explosion.
Conditions to avoid	: High temperature. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	: Strong oxidizing agents.
Hazardous decomposition products	: Carbon oxides (CO, CO ₂).

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

Distillates (petroleum), hydrotreated light (64742-47-8)	
LD50 oral rat	> 15000 mg/kg Source: IUCLID
LD50 dermal rabbit	> 2000 mg/kg Source: IUCLID
LC50 Inhalation - Rat	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -

Skin corrosion/irritation	: Not classified
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Carbon dioxide (124-38-9)	
pH	3.2 Source: HSDB

Serious eye damage/irritation	: Not classified
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Carbon dioxide (124-38-9)	
pH	3.2 Source: HSDB

Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

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Distillates (petroleum), hydrotreated light	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Distillates (petroleum), hydrotreated light (64742-47-8)	
NOAEL (oral,rat,90 days)	750 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal,rat/rabbit,90 days)	≥ 495 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: Aspiration may cause pulmonary edema and pneumonitis. May cause mild irritation to the digestive tract.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Carbon dioxide (124-38-9)	
LC50 - Fish [1]	35 mg/l Source: HSDB
Distillates (petroleum), hydrotreated light (64742-47-8)	
LC50 - Fish [1]	2.4 mg/l Source: ECOTOX

12.2. Persistence and degradability

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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
Distillates (petroleum), hydrotreated light (64742-47-8)	
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

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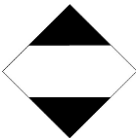
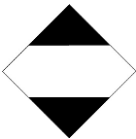

SECTION 13: Disposal considerations

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	: Do not allow to enter sewers, surface or groundwater.
Product/Packaging disposal recommendations	: Contents under pressure. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

In accordance with TDG / IMDG / IATA

TDG	IMDG	IATA
14.1. UN number		
UN1950	1950	1950
14.2. Proper Shipping Name		
AEROSOLS (Limited quantity)	AEROSOLS (Limited quantity)	Aerosols, flammable (Limited quantity)
14.3. Transport hazard class(es)		
LTD QTY	LTD QTY	LTD QTY
		
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
No		

14.6. Special precautions for user

TDG	
TDG Primary Hazard Classes	: 2.1 - Class 2.1 - Flammable Gases
UN-No. (TDG)	: UN1950
TDG Special Provisions	: 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray.
Explosive Limit and Limited Quantity Index	: 1 L
Excepted quantities (TDG)	: E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 75 L
Emergency Response Guide (ERG) Number	: 126

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IMDG

Class (IMDG)	: 2.1 - Flammable gases
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)	: 2.1 - Gases : Flammable
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)	: 10L

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

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All components of this product are listed on the DSL, NDSL, or are exempt from the inventory requirements.

Name	CAS-No.	Regulatory reference
Carbon dioxide	124-38-9	Listed on the Canadian DSL (Domestic Substances List)
Distillates (petroleum), hydrotreated light	64742-47-8	Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Carbon dioxide (124-38-9)

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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Distillates (petroleum), hydrotreated light (64742-47-8)

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

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.2. Other Regulatory Information

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

VOC content

0 %

Product Category

Electronics cleaner that is designed to remove dirt, dust, moisture, flux or oxides from the internal components of electronic or precision equipment (such as circuit boards) or the internal components of electronic devices (such as radios, compact disc players, digital video disc players or computers)

SECTION 16: Other information

Issue date : 06-19-2025

Other information : CRC # 493A/1002483.
Author : Joshua Weir

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