CRC® Jump Start® Starting Fluid with Lubricity, 311 g

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 2025-08-26 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Trade name	:	CRC® Jump Start® Starting Fluid with Lubricity, 311 g
Product code	:	1006399
Part number	:	75671

1.2. Recommended use and restrictions on use

Recommended use	:	Starting fluid
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.
Skin corrosion/irritation, Category 2	Causes skin irritation.
Carcinogenicity, Category 2	Suspected of causing cancer.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	May cause drowsiness or dizziness.
Aspiration hazard, Category 1	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment, Acute Hazard, Category 2	Toxic to aquatic life.
Hazardous to the aquatic environment, Chronic Hazard, Category 3	Harmful 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) : Extremely flammable aerosol
Pressurized container; may burst if heated

		May be fatal if swallowed and enters airways Causes skin irritation May cause drowsiness or dizziness Suspected of causing cancer.
Precautionary statements (GHS CA)	:	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 spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing vapors, spray, mist. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye and face protection. Wash hands thoroughly after handling. IF SWALLOWED: Immediately call a POISON CENTER or a doctor. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or a doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF exposed or concerned: Get medical advice or attention. Store in a well-ventilated place. Store locked up. 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	%
Heptane, branched, cyclic and linear	-	CAS-No.: 426260-76-6	65 – 85
Diethyl ether	1,1-Oxybisethane	CAS-No.: 60-29-7	10 – 30
Carbon dioxide	Carbon dioxide	CAS-No.: 124-38-9	5 – 10
Ethanol	ethanol, ethyl alcohol	CAS-No.: 64-17-5	0.5 – 1.5
Distillates (petroleum), hydrotreated light	Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	0.1 – 1
Ethane, chloro-	Ethyl chloride	CAS-No.: 75-00-3	0.1 – 1

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 plenty of water. Take off contaminated clothing. 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. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not use mouth-to-mouth method if victim ingested the substance. 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 : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Symptoms/effects after skin contact : Causes skin irritation.

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.

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. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect spillage.

Methods for cleaning up : 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.

6.3. 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 : 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. Exposure to high temperature may cause can to burst. Prevent the build-up of electrostatic charge. 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. Do not use if spray button is missing or defective. Avoid contact with skin and eyes. Avoid breathing vapors, spray, mist. 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.

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. Wash contaminated clothing before reuse. 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

Ethane, chloro- (75-00-3)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Ethyl chloride (Chloroethane)
OEL TWA	264 mg/m³
	100 ppm
Notations and remarks	Substance may be readily absorbed through intact skin.
Regulatory reference	Alberta Regulation 191/2021

Ethane, chloro- (75-00-3)	
Canada (Quebec) - Occupational Exposure Limits	
Local name	Ethyl chloride (Chloroethane)
VEMP (OEL TWAEV)	100 ppm
Notations and remarks	C3, Pc
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	100 ppm
Notations and remarks	Skin (the substance that contribute significantly to the overall exposure by the skin route)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	264 mg/m³
	100 ppm
Notations and remarks	TLV® Basis: Liver dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	100 ppm
Notations and remarks	Liver dam
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	264 mg/m³
	100 ppm
Notations and remarks	TLV® Basis: Liver dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	264 mg/m³
	100 ppm
Notations and remarks	TLV® Basis: Liver dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025

Ethane, chloro- (75-00-3)	
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	100 ppm
OEL STEL	125 ppm
Notations and remarks	Skin
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	100 ppm
OEL STEL	125 ppm
Notations and remarks	Skin
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWAEV	100 ppm
Notations and remarks	Skin
Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Control of exposure to biological or chemical agents
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	264 mg/m³
	100 ppm
Notations and remarks	TLV® Basis: Liver dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Ethyl chloride
OEL TWA	100 ppm
OEL STEL	125 ppm
Notations and remarks	Skin
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Ethanol (64-17-5)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Ethanol (Ethyl alcohol)

Ethanol (64-17-5)	
OEL TWA	1880 mg/m³
	1000 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Ethyl alcohol (Ethanol)
VECD (OEL STEV)	1000 ppm
Notations and remarks	C3
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Ethanol
OEL STEL	1000 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Ethanol
OEL STEL	1880 mg/m³
	1000 ppm
Notations and remarks	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Ethanol
OEL STEL	1000 ppm
Notations and remarks	URT irr
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Ethanol
OEL STEL	1880 mg/m³
	1000 ppm
Notations and remarks	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Ethanol
OEL STEL	1880 mg/m³
	1000 ppm
Notations and remarks	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)

Ethanol (64-17-5)	
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Ethanol
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Ethanol
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Ethanol
OEL TWAEV	1000 ppm
Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Control of exposure to biological or chemical agents
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Ethanol
OEL STEL	1880 mg/m³
	1000 ppm
Notations and remarks	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Ethanol
OEL TWA	1000 ppm
OEL STEL	1250 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Carbon dioxide (124-38-9)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m³
	5000 ppm
OEL STEL	54000 mg/m³

Carbon dioxide (124-38-9)	
	30000 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Carbon dioxide
VECD (OEL STEV)	54000 mg/m³
	30000 ppm
VEMP (OEL TWAEV)	9000 mg/m³
	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/m³
	5000 ppm
OEL STEL	54000 mg/m³
	30000 ppm
Notations and remarks	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m³
	5000 ppm
OEL STEL	54000 mg/m³
	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/m³
	5000 ppm
OEL STEL	54000 mg/m³

Carbon dioxide (124-38-9)	
	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	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Control of exposure to biological or chemical agents
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA	9000 mg/m³
	5000 ppm
OEL STEL	54000 mg/m³
	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

Diethyl ether (60-29-7)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Ethyl ether (Diethyl ether)
OEL TWA	1210 mg/m³
	400 ppm
OEL STEL	1520 mg/m³
	500 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Diethyl ether (Ethyl ether)
VECD (OEL STEV)	1520 mg/m³
	500 ppm
VEMP (OEL TWAEV)	1210 mg/m³
	400 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	400 ppm
OEL STEL	500 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	1210 mg/m³
	400 ppm
OEL STEL	1520 mg/m³
	500 ppm
Notations and remarks	TLV® Basis: CNS impair; Resp Tract irr
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	400 ppm
OEL STEL	500 ppm
Notations and remarks	CNS impair; URT irr
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	1210 mg/m³

Diethyl ether (60-29-7)	
	400 ppm
OEL STEL	1520 mg/m³
	500 ppm
Notations and remarks	TLV® Basis: CNS impair; Resp Tract irr
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	1210 mg/m³
	400 ppm
OEL STEL	1520 mg/m³
	500 ppm
Notations and remarks	TLV® Basis: CNS impair; Resp Tract irr
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	400 ppm
OEL STEL	500 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	400 ppm
OEL STEL	500 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWAEV	400 ppm
	500 ppm
Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Control of exposure to biological or chemical agents
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	1210 mg/m³
	400 ppm
OEL STEL	1520 mg/m³

Diethyl ether (60-29-7)	
	500 ppm
Notations and remarks	TLV® Basis: CNS impair; Resp Tract irr
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Ethyl ether
OEL TWA	400 ppm
OEL STEL	500 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Heptane, branched, cyclic and linear (426260-76-6)	
Occupational Exposure Limit	1500 mg/m³ TLV (ACGIH)

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. Butyl rubber

Eye protection:
Wear safety glasses with side shields (or goggles).

Skin and body protection:
Wear suitable protective 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 : Hydrocarbon-like
Melting point : -123.3 °C (-189.9 °F) estimated
Freezing point : -123.3 °C (-189.9 °F) estimated

Boiling point	:	34.6 °C (94.3 °F) estimated
Flammability (solid, gas)	:	Not applicable
Explosion limits	:	No data available
Flash point	:	< -6.7 °C (20 °F) estimated
Auto-ignition temperature	:	160 °C (320 °F) estimated
Decomposition temperature	:	No data available
pH	:	No data available
Viscosity, kinematic	:	No data available
Solubility	:	Water: Slightly soluble
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Vapor pressure	:	No data available
Evaporation rate	:	Fast
Density	:	No data available
Relative density	:	0.7
Relative vapor density at 20°C	:	> 1 (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	:	Aluminum. Strong oxidizing agents.
Hazardous decomposition products	:	Acrid smoke. Carbon oxides (CO, CO2).

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 -
LC50 Inhalation - Rat (Dust/Mist)	> 5.2 mg/l Source: IUCLID

Ethane, chloro- (75-00-3)	
LC50 Inhalation - Rat [ppm]	> 19000 ppm/4h

Ethanol (64-17-5)	
LD50 oral rat	7060 mg/kg Source: ECHA
LD50 dermal	15800 mg/kg body weight
LC50 Inhalation - Rat (Dust/Mist)	> 99999 mg/l

Ethanol (64-17-5)	
LC50 Inhalation - Rat (Vapors)	116.9 mg/l Source: ECHA

Diethyl ether (60-29-7)	
LD50 oral rat	1200 mg/kg Source: ECHA
LD50 dermal rabbit	> 20000 mg/kg Source: ECHA
LC50 Inhalation - Rat [ppm]	31000 ppm Source: ChemIDPlus
LC50 Inhalation - Rat (Dust/Mist)	> 20000 mg/l

Skin corrosion/irritation : Causes skin irritation.

Ethanol (64-17-5)	
pH	7 Source: chemicalbook

Carbon dioxide (124-38-9)	
pH	3.2 Source: HSDB

Serious eye damage/irritation : Not classified

Ethanol (64-17-5)	
pH	7 Source: chemicalbook

Carbon dioxide (124-38-9)	
pH	3.2 Source: HSDB

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Ethane, chloro- (75-00-3)	
IARC group	3 - Not classifiable

Ethanol (64-17-5)	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity : Not classified

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 : May cause drowsiness or dizziness.

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)

Ethane, chloro- (75-00-3)	
NOAEC (inhalation,rat,gas,90 days)	19000 ppm

Ethanol (64-17-5)	
NOAEL (subchronic,oral,animal/male,90 days)	< 9700 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	> 9400 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

Diethyl ether (60-29-7)	
LOAEL (oral,rat,90 days)	2000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: other:
NOAEL (oral,rat,90 days)	500 mg/kg body weight Animal: rat, Guideline: other:

Aspiration hazard : May be fatal if swallowed and enters airways.

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Symptoms/effects after skin contact : Causes skin irritation.

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

Distillates (petroleum), hydrotreated light (64742-47-8)	
LC50 - Fish [1]	2.4 mg/l Source: ECOTOX

Ethane, chloro- (75-00-3)	
LC50 - Fish [1]	2500 mg/l
EC50 - Crustacea [1]	58 mg/l
ErC50 algae	118 mg/l
EC50 72h - Algae [1]	11.8 mg/l Source: NCIS

Ethanol (64-17-5)	
LC50 - Fish [1]	> 100 mg/l Source: SIDS 2005
EC50 - Other aquatic organisms [1]	5012 mg/l waterflea
ErC50 algae	275 mg/l Source: ECHA
NOEC (chronic)	9.6 mg/l Test organisms (species): Daphnia magna Duration: '9 d'

Carbon dioxide (124-38-9)	
LC50 - Fish [1]	35 mg/l Source: HSDB

Diethyl ether (60-29-7)	
LC50 - Fish [1]	2560 mg/l Source: ECHA
EC50 72h - Algae [1]	> 100 mg/l Source: ECHA
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
LOEC (chronic)	> 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

CRC® Jump Start® Starting Fluid with Lubricity, 311 g	
Persistence and degradability	No data is available on the degradability of this product.

12.3. Bioaccumulative potential

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

Ethane, chloro- (75-00-3)	
BCF - Fish [1]	3.427 l/kg
Partition coefficient n-octanol/water (Log Pow)	1.43

Ethanol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.32 Source: ICSC

Carbon dioxide (124-38-9)	
Partition coefficient n-octanol/water (Log Pow)	0.83 Source: ISCS

Diethyl ether (60-29-7)	
Partition coefficient n-octanol/water (Log Pow)	0.89 Source: HSDB

12.4. Mobility in soil

Ethane, chloro- (75-00-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.241

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.

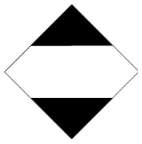
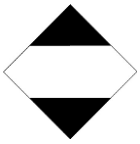
Sewage disposal recommendations : Disposal must be done according to official regulations. Do not allow to enter sewers, surface or groundwater.

Product/Packaging disposal recommendations : 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

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

CRC® Jump Start® Starting Fluid with Lubricity, 311 g

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

Name	CAS-No.	Regulatory reference
Distillates (petroleum), hydrotreated light	64742-47-8	Listed on the Canadian DSL (Domestic Substances List)
Ethane, chloro-	75-00-3	Listed on the Canadian DSL (Domestic Substances List)
Ethanol	64-17-5	Listed on the Canadian DSL (Domestic Substances List)
Carbon dioxide	124-38-9	Listed on the Canadian DSL (Domestic Substances List)
Heptane, branched, cyclic and linear	426260-76-6	Listed on the Canadian DSL (Domestic Substances List)
Diethyl ether	60-29-7	Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

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)

Ethane, chloro- (75-00-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

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)

Heptane, branched, cyclic and linear (426260-76-6)

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

Diethyl ether (60-29-7)

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	94.5 %
Product Category	Not regulated.

SECTION 16: Other information

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Safety Data Sheet (SDS), Canada, CRC

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