



# CRC® Freeze-Off® Super Penetrant, 326 g

## Safety Data Sheet

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

### SECTION 1: Identification

#### 1.1. Product identifier

Trade name : CRC® Freeze-Off® Super Penetrant, 326 g  
Product code : 1006366  
Part number : 75222

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

Recommended use : Penetrant  
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](http://crcindustries.ca)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

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

##### Classification (GHS CA)

Aerosol, Category 1

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

Physical hazards not otherwise classified, Category 1

Skin corrosion/irritation, Category 2

Causes skin irritation.

Serious eye damage/eye irritation, Category 2A

Causes serious eye irritation.

Skin sensitization, Category 1A

May cause an allergic skin reaction.

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 2

Toxic to aquatic life with long lasting effects.

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

##### GHS CA labeling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

: Danger

Hazard statements (GHS CA)

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

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Causes skin irritation  
May cause an allergic skin reaction  
Causes serious eye irritation

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.  
Avoid breathing vapors, spray, mist.  
Wear protective gloves, eye and face protection.  
Wash hands thoroughly after handling.  
IF SWALLOWED: Immediately call a POISON CENTER or a doctor.  
Do NOT induce vomiting.  
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 ON SKIN: Wash with plenty of water.  
If skin irritation or rash occurs: Get medical advice or attention.  
Take off contaminated clothing and wash it before reuse.  
Contaminated work clothing should not be allowed out of the workplace.  
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

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 fluoride. Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

### 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	%
Ethane, 1,1-difluoro-	1,1-Difluoroethane (HFC-152a)	CAS-No.: 75-37-6	60 – 80
Distillates (petroleum), hydrotreated middle	Distillates (petroleum), hydrotreated middle	CAS-No.: 64742-46-7	15 – 40
Distillates (petroleum), hydrotreated light	Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	5 – 10
Turpentine, oil	Turpentine oil	CAS-No.: 8006-64-2	3 – 7
2-butoxyethanol	Ethylene glycol monobutyl ether	CAS-No.: 111-76-2	1 – 5
Pine oil	Pine oils	CAS-No.: 8002-09-3	1 – 5
Naphtha (petroleum), hydrotreated heavy	Naphtha (petroleum), hydrotreated heavy	CAS-No.: 64742-48-9	1 – 5
4-hydroxy-4-methylpentan-2-one, diacetone alcohol	DIACETONE ALCOHOL	CAS-No.: 123-42-2	1 – 5

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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 with plenty of soap and water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. 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. 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 : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

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

#### 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. When exposed to extreme heat or hot surfaces, vapors may decompose to toxic gases such as hydrogen fluoride.

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.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate every possible source of ignition. Remove ignition sources. 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.
- 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. 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 eat, drink or smoke when using this product. 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. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

#### 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.
- Storage area : Store away from heat.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 2-butoxyethanol (111-76-2)

##### Canada (Alberta) - Occupational Exposure Limits

Local name	2-Butoxyethanol (Ethylene glycol monobutyl ether)
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<b>2-butoxyethanol (111-76-2)</b>	
OEL TWA	97 mg/m <sup>3</sup> 20 ppm
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
<b>Canada (Quebec) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (Butyl cellosolve®)
VEMP (OEL TWAEV)	20 ppm
Notations and remarks	C3
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
<b>Canada (British Columbia) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE)
OEL TWA	20 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE)
OEL TWA	97 mg/m <sup>3</sup> 20 ppm
Notations and remarks	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE)
OEL TWA	97 mg/m <sup>3</sup> 20 ppm
Notations and remarks	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE)
OEL TWA	97 mg/m <sup>3</sup> 20 ppm
Notations and remarks	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI

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<b>2-butoxyethanol (111-76-2)</b>	
Regulatory reference	ACGIH 2025
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (Butyl Cellosolve or EGBE)
OEL TWA	20 ppm
OEL STEL	30 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (Butyl Cellosolve or EGBE)
OEL TWA	20 ppm
OEL STEL	30 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE)
OEL TWAEV	20 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
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (EGBE)
OEL TWA	97 mg/m <sup>3</sup> 20 ppm
Notations and remarks	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2025
<b>Canada (Saskatchewan) - Occupational Exposure Limits</b>	
Local name	2-Butoxyethanol (Butyl Cellosolve or EGBE)
OEL TWA	20 ppm
OEL STEL	30 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
<b>Turpentine, oil (8006-64-2)</b>	
<b>Canada (Alberta) - Occupational Exposure Limits</b>	
Local name	Turpentine and selected monoterpenes
OEL TWA	111 mg/m <sup>3</sup> 20 ppm

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<b>Turpentine, oil (8006-64-2)</b>	
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
<b>Canada (Quebec) - Occupational Exposure Limits</b>	
Local name	Turpentine
VEMP (OEL TWA EV)	112 mg/m <sup>3</sup> 20 ppm
Notations and remarks	S(D)
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
<b>Canada (British Columbia) - Occupational Exposure Limits</b>	
Local name	Turpentine
OEL TWA	20 ppm
Notations and remarks	S(D) (substance with specific evidence of sensitization by dermal route)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	Turpentine
OEL TWA	112 mg/m <sup>3</sup> 20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
<b>Canada (New Brunswick) - Occupational Exposure Limits</b>	
Local name	Turpentine and selected monoterpenes
OEL TWA	20 ppm
Notations and remarks	URT & skin irr; CNS impair; lung dam; DSEN; A4
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	Turpentine
OEL TWA	112 mg/m <sup>3</sup> 20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	Turpentine

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<b>Turpentine, oil (8006-64-2)</b>	
OEL TWA	112 mg/m <sup>3</sup> 20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	Turpentine and selected monoterpenes
OEL TWA	20 ppm
OEL STEL	30 ppm
Notations and remarks	SEN
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	Turpentine and selected monoterpenes
OEL TWA	20 ppm
OEL STEL	30 ppm
Notations and remarks	SEN
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
Local name	Turpentine
OEL TWAEV	20 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
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	Turpentine
OEL TWA	112 mg/m <sup>3</sup> 20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
<b>Canada (Saskatchewan) - Occupational Exposure Limits</b>	
Local name	Turpentine and selected monoterpenes
OEL TWA	20 ppm
OEL STEL	30 ppm
Notations and remarks	SEN

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<b>Turpentine, oil (8006-64-2)</b>	
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
<b>4-hydroxy-4-methylpentan-2-one, diacetone alcohol (123-42-2)</b>	
<b>Canada (Alberta) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol (4-Hydroxyl-4-methyl-2-pentanone)
OEL TWA	238 mg/m <sup>3</sup> 50 ppm
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
<b>Canada (Quebec) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol (4-Hydroxy-4methyl-2-pentanone)
VEMP (OEL TWA EV)	238 mg/m <sup>3</sup> 50 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
<b>Canada (British Columbia) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol
OEL TWA	50 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
<b>Canada (Manitoba) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol
OEL TWA	10 ppm
Notations and remarks	TLV® Basis: Eye & URT irr; CNS impair
Regulatory reference	ACGIH 2025
<b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol
OEL TWA	10 ppm
Notations and remarks	TLV® Basis: Eye & URT irr; CNS impair
Regulatory reference	ACGIH 2025
<b>Canada (Nova Scotia) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol
OEL TWA	10 ppm
Notations and remarks	TLV® Basis: Eye & URT irr; CNS impair
Regulatory reference	ACGIH 2025

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<b>4-hydroxy-4-methylpentan-2-one, diacetone alcohol (123-42-2)</b>	
<b>Canada (Nunavut) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol (4-hydroxy-4methyl-2-pentanone)
OEL TWA	50 ppm
OEL STEL	60 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
<b>Canada (Northwest Territories) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol (4-hydroxy-4methyl-2-pentanone)
OEL TWA	50 ppm
OEL STEL	60 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
<b>Canada (Ontario) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol
OEL TWAEV	50 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
<b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol
OEL TWA	10 ppm
Notations and remarks	TLV® Basis: Eye & URT irr; CNS impair
Regulatory reference	ACGIH 2025
<b>Canada (Saskatchewan) - Occupational Exposure Limits</b>	
Local name	Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)
OEL TWA	50 ppm
OEL STEL	60 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 fire/flammable resistant/retardant clothing.

#### Hand protection:

Wear protective gloves such as: Nitrile. Rubber.

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### 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.

### Additional Regulatory Information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Color	: Orange
Odor	: Pine
Melting point	: -75 °C (-103 °F) estimated
Freezing point	: -75 °C (-103 °F) estimated
Boiling point	: 155 °C (311 °F) estimated
Flammability (solid, gas)	: Not applicable
Explosion limits	: No data available
Flash point	: 52.2 °C (126 °F) estimated
Auto-ignition temperature	: 220 °C (428 °F) estimated
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	: No data available
Evaporation rate	: Slow
Density	: No data available
Relative density	: 0.88
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. When exposed to extreme heat or hot surfaces, vapors may decompose to toxic gases such as hydrogen fluoride.
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. Halogens.
Hazardous decomposition products	: Aldehydes. Carbon oxides (CO, CO <sub>2</sub> ). Hydrogen fluoride. Ketones. Organic acids.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

<b>2-butoxyethanol (111-76-2)</b>	
LD50 oral	1746 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LD50 dermal	435 mg/kg body weight
LC50 Inhalation - Rat (Dust/Mist)	2200 mg/l
<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>	
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
<b>Pine oil (8002-09-3)</b>	
LD50 oral rat	3200 mg/kg Source: Corporate Solution From Thomson Micromedex
LD50 dermal rabbit	5000 mg/kg Source: Corporate Solution From Thomson Micromedex
<b>Distillates (petroleum), hydrotreated middle (64742-46-7)</b>	
LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Dust/Mist)	> 4.6 mg/l Source: ECHA
<b>Turpentine, oil (8006-64-2)</b>	
LD50 oral rat	2620 mg/kg Source: ECHA
LD50 oral	5760 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal rabbit	> 2000 mg/kg Source: ECHA
LD50 dermal	5010 mg/kg body weight
LC50 Inhalation - Rat	13.7 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 11,1 - 14,8
LC50 Inhalation - Rat (Dust/Mist)	3425 mg/l
<b>Naphtha (petroleum), hydrotreated heavy (64742-48-9)</b>	
LD50 oral rat	> 15000 mg/kg Source: IUCLID
LD50 dermal rabbit	> 3160 mg/kg Source: IUCLID
LC50 Inhalation - Rat (Dust/Mist)	> 5610 mg/l

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<b>4-hydroxy-4-methylpentan-2-one, diacetone alcohol (123-42-2)</b>	
LD50 oral rat	3002 mg/kg Source: ECHA
LD50 oral	3002 mg/kg body weight
LD50 dermal rabbit	> 1875 mg/kg Source: ECHA
LD50 dermal	> 1875 mg/kg body weight
LC50 Inhalation - Rat (Dust/Mist)	> 7600 mg/l
LC50 Inhalation - Rat (Vapors)	≥ 7.6 mg/l Source: ECHA
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
<b>2-butoxyethanol (111-76-2)</b>	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
<b>Distillates (petroleum), hydrotreated light</b>	
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)]
<b>Distillates (petroleum), hydrotreated middle</b>	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg body weight Animal: rat, Animal sex: male
<b>4-hydroxy-4-methylpentan-2-one, diacetone alcohol</b>	
NOAEL (animal/male, F0/P)	≈ 200 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study)
NOAEL (animal/female, F0/P)	≈ 600 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study)
NOAEL (animal/male, F1)	≈ 200 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study)
NOAEL (animal/female, F1)	≈ 600 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
<b>2-butoxyethanol (111-76-2)</b>	
NOAEL (dermal,rat/rabbit,90 days)	> 150 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>	
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)

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<b>4-hydroxy-4-methylpentan-2-one, diacetone alcohol (123-42-2)</b>	
NOAEL (oral,rat,90 days)	600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

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

<b>Naphtha (petroleum), hydrotreated heavy (64742-48-9)</b>	
Viscosity, kinematic	< 1 mm <sup>2</sup> /s
Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Symptoms/effects after ingestion	: May cause mild irritation to the digestive tract. Aspiration may cause pulmonary edema and pneumonitis.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

<b>Ethane, 1,1-difluoro- (75-37-6)</b>	
LC50 - Fish [1]	450 mg/l Source: OECD Screening Information Data Set
LC50 - Fish [2]	719.611 mg/l Test organisms (species):
EC50 - Crustacea [1]	980 mg/l Source: OECD Screening Information Data Set
EC50 - Other aquatic organisms [1]	146.695 mg/l Test organisms (species): other:
EC50 96h - Algae [1]	419 mg/l Source: OECD Screening Information Data Set

<b>2-butoxyethanol (111-76-2)</b>	
LC50 - Fish [1]	1474 mg/l Source: ECHA
EC50 - Crustacea [1]	1800 mg/l Source: ECHA
EC50 - Other aquatic organisms [1]	1550 mg/l waterflea
EC50 - Other aquatic organisms [2]	911 mg/l
EC50 72h - Algae [1]	911 mg/l Source: ECHA
NOEC chronic fish	≥ 100 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

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

<b>Pine oil (8002-09-3)</b>	
LC50 - Fish [1]	18.35 mg/l Source: The ECOTOXicology database
EC50 - Crustacea [1]	24.5 mg/l Source: The ECOTOXicology database

<b>Turpentine, oil (8006-64-2)</b>	
LC50 - Fish [1]	0.392 mg/l Source: ECHA
EC50 - Crustacea [1]	0.475 mg/l Source: ECHA

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<b>Turpentine, oil (8006-64-2)</b>	
EC50 - Other aquatic organisms [1]	6.4 mg/l waterflea
EC50 - Other aquatic organisms [2]	17.1 mg/l
EC50 72h - Algae [1]	0.519 mg/l Source: ECHA
<b>Naphtha (petroleum), hydrotreated heavy (64742-48-9)</b>	
LC50 - Fish [1]	2200 mg/l Source: IUCLID
LC50 - Other aquatic organisms [1]	2.6 mg/l Source: IUCLID
EC50 - Other aquatic organisms [1]	> 1000 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 1000 mg/l
<b>4-hydroxy-4-methylpentan-2-one, diacetone alcohol (123-42-2)</b>	
LC50 - Fish [1]	> 100 mg/l Source: EHCA
EC50 - Crustacea [1]	> 1000 mg/l Source: ECHA
EC50 - Other aquatic organisms [1]	> 1000 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 1000 mg/l
EC50 72h - Algae [1]	> 1000 mg/l Source: EHCA
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'
<b>12.2. Persistence and degradability</b>	
<b>CRC® Freeze-Off® Super Penetrant, 326 g</b>	
Persistence and degradability	No data is available on the degradability of this product.
<b>12.3. Bioaccumulative potential</b>	
<b>Ethane, 1,1-difluoro- (75-37-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.13 Source: SIDS
<b>2-butoxyethanol (111-76-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.81 Source: ECHA
<b>Distillates (petroleum), hydrotreated light (64742-47-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID
<b>Distillates (petroleum), hydrotreated middle (64742-46-7)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID
<b>Turpentine, oil (8006-64-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.16 – 4.83 Source: HSDB
<b>Naphtha (petroleum), hydrotreated heavy (64742-48-9)</b>	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID

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### 4-hydroxy-4-methylpentan-2-one, diacetone alcohol (123-42-2)

Partition coefficient n-octanol/water (Log Pow) 0.445 Source: ECHA

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified

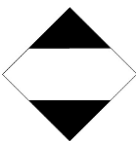
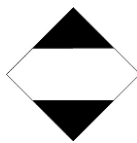

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation : Dispose of contents/container in accordance with local/regional/national regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : 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
<b>14.1. UN number</b>		
UN1950	1950	1950
<b>14.2. Proper Shipping Name</b>		
AEROSOLS (Limited quantity)	AEROSOLS (Limited quantity)	Aerosols, flammable (Limited quantity)
<b>14.3. Transport hazard class(es)</b>		
LTD QTY	LTD QTY	LTD QTY
		
<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

**TDG**  
TDG Primary Hazard Classes : 2.1 - Class 2.1 - Flammable Gases  
UN-No. (TDG) : UN1950

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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® Freeze-Off® Super Penetrant, 326 g

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

Name	CAS-No.	Regulatory reference
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according to the Hazardous Products Regulation (WHMIS 2015)

Ethane, 1,1-difluoro-	75-37-6	Listed on the Canadian DSL (Domestic Substances List)
2-butoxyethanol	111-76-2	Listed on the Canadian DSL (Domestic Substances List)
Distillates (petroleum), hydrotreated light	64742-47-8	Listed on the Canadian DSL (Domestic Substances List)
Pine oil	8002-09-3	Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
Distillates (petroleum), hydrotreated middle	64742-46-7	Listed on the Canadian DSL (Domestic Substances List)
Turpentine, oil	8006-64-2	Listed on the Canadian DSL (Domestic Substances List)
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Listed on the Canadian DSL (Domestic Substances List)
4-hydroxy-4-methylpentan-2-one, diacetone alcohol	123-42-2	Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

#### Ethane, 1,1-difluoro- (75-37-6)

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

#### 2-butoxyethanol (111-76-2)

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

#### 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)

#### Pine oil (8002-09-3)

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

#### Distillates (petroleum), hydrotreated middle (64742-46-7)

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

#### Turpentine, oil (8006-64-2)

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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according to the Hazardous Products Regulation (WHMIS 2015)

### Naphtha (petroleum), hydrotreated heavy (64742-48-9)

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

### 4-hydroxy-4-methylpentan-2-one, diacetone alcohol (123-42-2)

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 24.1 %

Product Category Lubricants, penetrating lubricants designed primarily for loosening metal parts that have bonded together

## SECTION 16: Other information

Issue date : 08-08-2025

Other information : CRC # 447C/1002442.

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Safety Data Sheet (SDS), Canada, CRC

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