CRC® Knock'er Loose™ Penetrating Solvent, 368 g

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 2025-07-17 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Trade name	:	CRC® Knock'er Loose™ Penetrating Solvent, 368 g
Product code	:	1006143
Part number	:	73020

1.2. Recommended use and restrictions on use

Recommended use	:	Penetrating lubricants
Restrictions on use	:	None known

1.3. Supplier

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 2	Flammable aerosol. Pressurized container; may burst if heated.
Skin corrosion/irritation, Category 2	Causes skin irritation.
Serious eye damage/eye irritation, Category 2A	Causes serious eye irritation.
Skin sensitization, Category 1	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 3	Harmful 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) : Flammable aerosol
Pressurized container; may burst if heated
May be fatal if swallowed and enters airways
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 mist, vapors, spray.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, eye and face protection.
IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.
Contaminated work clothing should not be allowed out of the workplace.
IF 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.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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 middle	Distillates (petroleum), hydrotreated middle	CAS-No.: 64742-46-7	30 - 60
Turpentine, oil	Turpentine oil	CAS-No.: 8006-64-2	5 - 10
2-Propanol, 1-(1-methyl-2-propoxyethoxy)-	1-(1-Methyl-2-propoxyethoxy)-propan-2-ol	CAS-No.: 29911-27-1	5 - 10
Dipropylene glycol methyl ether acetate	Dipropylene glycol methyl ether acetate	CAS-No.: 88917-22-0	5 - 10
alpha-Pinene (Constituent)	2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene ; α-Pinene, Pin-2(3)-ene	CAS-No.: 80-56-8	5 - 10
2,6-dimethylheptan-4-one, di-isobutyl ketone	Diisobutylketone	CAS-No.: 108-83-8	3 - 7
Distillates (petroleum), hydrotreated light	Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	1 - 5
Naphtha (petroleum), hydrotreated heavy	Naphtha (petroleum), hydrotreated heavy	CAS-No.: 64742-48-9	1 - 5
Pine oil	Pine oils	CAS-No.: 8002-09-3	1 - 5
Carbon dioxide	Carbon dioxide	CAS-No.: 124-38-9	1 - 5

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.

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

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately. 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. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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

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

Symptoms/effects after inhalation : Prolonged inhalation may be harmful.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

Symptoms/effects after ingestion : 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 spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

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

5.3. Specific hazards arising from the hazardous product

Fire hazard : Flammable aerosol. Pressurized container: may burst if heated. This product is a poor conductor of electricity and can become electrostatically charged. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. If sufficient charge is accumulated, ignition of flammable mixtures can occur.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection. Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion. Cool down the containers exposed to heat with a water spray.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions, Protective Equipment and Emergency Procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing mist, vapors, spray. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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 liquid spill into absorbent material. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.

Additional Regulatory Information : Dispose of in accordance with relevant local regulations.

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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not use if spray button is missing or defective. Exposure to high temperature may cause can to burst. Prevent the build-up of electrostatic charge. Use only non-sparking tools. 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. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing mist, vapors, spray. Use only outdoors or in a well-ventilated area. Maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store locked up. Store in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Packaging materials : Store in the original container and with the original cap.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Carbon dioxide (124-38-9)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Carbon dioxide

Carbon dioxide (124-38-9)	
OEL TWA	9000 mg/m³
	5000 ppm
OEL STEL	54000 mg/m³
	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

Carbon dioxide (124-38-9)	
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 (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

Carbon dioxide (124-38-9)	
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Diisobutyl ketone (2,6-Dimethyl-4-heptanone)
OEL TWA	145 mg/m³
	25 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
Canada (Quebec) - Occupational Exposure Limits	
Local name	Diisobutyl ketone (2,6-Dimethyl-4-heptanone)
VEMP (OEL TWAEV)	145 mg/m³
	25 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Diisobutyl ketone
OEL TWA	25 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Diisobutyl ketone
OEL TWA	145 mg/m³
	25 ppm
Notations and remarks	TLV® Basis: URT & eye irr
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Diisobutyl ketone
OEL TWA	145 mg/m³
	25 ppm
Notations and remarks	TLV® Basis: URT & eye irr
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Diisobutyl ketone
OEL TWA	145 mg/m³
	25 ppm

2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)	
Notations and remarks	TLV® Basis: URT & eye irr
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Diisobutyl ketone
OEL TWA	25 ppm
OEL STEL	30 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Diisobutyl ketone
OEL TWA	25 ppm
OEL STEL	30 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Diisobutyl ketone
OEL TWAEV	25 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	Diisobutyl ketone
OEL TWA	145 mg/m³
	25 ppm
Notations and remarks	TLV® Basis: URT & eye irr
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Diisobutyl ketone
OEL TWA	25 ppm
OEL STEL	30 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Turpentine, oil (8006-64-2)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Turpentine and selected monoterpenes
OEL TWA	111 mg/m³
	20 ppm

Turpentine, oil (8006-64-2)	
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
Canada (Quebec) - Occupational Exposure Limits	
Local name	Turpentine
VEMP (OEL TWAEV)	112 mg/m³
	20 ppm
Notations and remarks	S(D)
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
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)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Turpentine
OEL TWA	112 mg/m³
	20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Turpentine and selected monoterpenes
OEL TWA	20 ppm
Notations and remarks	URT & skin irr; CNS impair; lung dam; DSEN; A4
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Turpentine
OEL TWA	112 mg/m³
	20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Turpentine

Turpentine, oil (8006-64-2)	
OEL TWA	112 mg/m³
	20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
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)
Canada (Northwest Territories) - Occupational Exposure Limits	
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)
Canada (Ontario) - Occupational Exposure Limits	
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
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Turpentine
OEL TWA	112 mg/m³
	20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Turpentine and selected monoterpenes
OEL TWA	20 ppm
OEL STEL	30 ppm
Notations and remarks	SEN

Turpentine, oil (8006-64-2)	
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

alpha-Pinene (80-56-8)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Turpentine and selected monoterpenes
OEL TWA	111 mg/m³
	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
Canada (Quebec) - Occupational Exposure Limits	
Local name	Monoterpenes - α-Pinene
VEMP (OEL TWAEV)	112 mg/m³
	20 ppm
Notations and remarks	S(D)
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Turpentine and selected monoterpenes
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)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	α-Pinene
OEL TWA	112 mg/m³
	20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	α-Pinene
OEL TWA	112 mg/m³
	20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

alpha-Pinene (80-56-8)	
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	α-Pinene
OEL TWA	112 mg/m³
	20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
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)
Canada (Northwest Territories) - Occupational Exposure Limits	
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)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Turpentine and selected monoterpenes
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
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	α-Pinene
OEL TWA	112 mg/m³
	20 ppm
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Turpentine and selected monoterpenes
OEL TWA	20 ppm
OEL STEL	30 ppm

alpha-Pinene (80-56-8)	
Notations and remarks	SEN
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Dipropylene glycol methyl ether acetate (88917-22-0)	
Canada (Ontario) - Occupational Exposure Limits	
Local name	Dipropylene glycol monomethyl ether acetate
OEL TWAEV	776 mg/m³
	100 ppm
	1164 mg/m³
	150 ppm
Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Ontario table of occupational exposure limits

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Wear protective gloves such as: Nitrile, Rubber, Butyl rubber

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

Skin and body protection:
Wear appropriate chemical resistant clothing.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Red

Odor : Pleasant Pine

Melting point : -62.5 °C (-80.5 °F) estimated

Freezing point	:	-62.5 °C (-80.5 °F) estimated
Boiling point	:	149 °C (300 °F) estimated
Flammability (solid, gas)	:	No data available
Explosion limits	:	Lower explosion limit: 0.8 % Upper explosion limit: 6.2
Flash point	:	63.9 °C (147 °F) Setaflash
Auto-ignition temperature	:	230 °C (446 °F) estimated
Decomposition temperature	:	No data available
pH	:	No data available
Viscosity, kinematic	:	No data available
Solubility	:	Negligible.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Vapor pressure	:	No data available
Evaporation rate	:	Moderate
Density	:	0.86 g/ml
Relative density	:	0.86
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	:	Flammable aerosol. Pressurized container: may burst if heated.
Possibility of hazardous reactions	:	Heating may cause a fire or explosion.
Conditions to avoid	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	:	Strong oxidizing agents. chlorine. Combustible materials.
Hazardous decomposition products	:	Carbon oxides (CO, CO2). Aldehydes. Hydrocarbon fumes and smoke.

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

Pine oil (8002-09-3)	
LD50 oral rat	3200 mg/kg Source: Corporate Solution From Thomson Micromedex
LD50 dermal rabbit	5000 mg/kg Source: Corporate Solution From Thomson Micromedex

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

2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)	
LD50 oral rat	3200 mg/kg Source: ECHA
LD50 dermal rat	4556 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 14.5 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)	
LC50 Inhalation - Rat (Vapors)	11.5 mg/l Source: ECHA

Turpentine, oil (8006-64-2)	
LD50 oral rat	2620 mg/kg Source: ECHA
LD50 dermal rabbit	> 2000 mg/kg Source: ECHA
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

alpha-Pinene (80-56-8)	
LD50 oral rat	2100 mg/kg Source: International Uniform ChemicaL Information Database
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))

Dipropylene glycol methyl ether acetate (88917-22-0)	
LD50 oral rat	> 5000 mg/kg Source: OECD Screening Information Data Set
LD50 dermal rabbit	> 2000 mg/kg Source: OECD Screening Information Data Set
LC50 Inhalation - Rat	> 5.7 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat [ppm]	733 ppm Source: OECD Screening Information Data Set

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

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LD50 oral rat	> 15000 mg/kg Source: IUCLID
LD50 dermal rabbit	> 3160 mg/kg Source: IUCLID
LC50 Inhalation - Rat (Dust/Mist)	> 5610 mg/l

2-Propanol, 1-(1-methyl-2-propoxyethoxy)- (29911-27-1)	
LD50 dermal rabbit	≥ 2000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EPA OPP 81-2 (Acute Dermal Toxicity), Guideline: other:, Guideline: other:

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

Reproductive toxicity : Not classified

Distillates (petroleum), hydrotreated middle	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg body weight Animal: rat, Animal sex: male

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

2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)	
LOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation,rat,vapor,90 days)	3.698 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Dipropylene glycol methyl ether acetate (88917-22-0)	
NOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: other:, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (dermal,rat/rabbit,90 days)	> 1000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

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)

2-Propanol, 1-(1-methyl-2-propoxyethoxy)- (29911-27-1)	
NOAEL (oral,rat,90 days)	500 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

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

2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)	
Viscosity, kinematic	1.073 mm²/s

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
Viscosity, kinematic	< 1 mm²/s

Symptoms/effects after inhalation : Prolonged inhalation may be harmful.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

Symptoms/effects after ingestion : Aspiration may cause pulmonary edema and pneumonitis.

SECTION 12: Ecological information

12.1. Toxicity

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

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

Pine oil (8002-09-3)	
LC50 - Fish [1]	18.35 mg/l Source: The ECOTOXicology database

Pine oil (8002-09-3)	
EC50 - Crustacea [1]	24.5 mg/l Source: The ECOTOXicology database
2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)	
LC50 - Fish [1]	30 mg/l Source: ECHA
EC50 - Crustacea [1]	37.2 mg/l Test organisms (species): Daphnia magna
ErC50 algae	46.9 mg/l Source: ECHA
Turpentine, oil (8006-64-2)	
LC50 - Fish [1]	0.392 mg/l Source: ECHA
EC50 - Crustacea [1]	0.475 mg/l Source: ECHA
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
alpha-Pinene (80-56-8)	
LC50 - Fish [1]	0.28 mg/l Source: International Uniform ChemicaL Information Database
EC50 - Crustacea [1]	0.475 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	1.44 mg/l waterflea
Dipropylene glycol methyl ether acetate (88917-22-0)	
LC50 - Fish [1]	151 mg/l Source: OECD Screening Information Data Set
LC50 - Fish [2]	151 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	1090 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	11.37 mg/l Source: OECD Screening Information Data Set
Distillates (petroleum), hydrotreated light (64742-47-8)	
LC50 - Fish [1]	2.4 mg/l Source: ECOTOX
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
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
2-Propanol, 1-(1-methyl-2-propoxyethoxy)- (29911-27-1)	
LC50 - Fish [1]	2153 mg/l Source: ECOSAR
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	260.5 mg/l Source: ECOSAR

12.2. Persistence and degradability

CRC® Knock'er Loose™ Penetrating Solvent, 368 g	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Carbon dioxide (124-38-9)	
Partition coefficient n-octanol/water (Log Pow)	0.83 Source: ISCS
Distillates (petroleum), hydrotreated middle (64742-46-7)	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 Source: IUCLID
2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)	
Partition coefficient n-octanol/water (Log Pow)	2.56
Turpentine, oil (8006-64-2)	
Partition coefficient n-octanol/water (Log Pow)	4.16 – 4.83 Source: HSDB
alpha-Pinene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.834 Source: International Uniform ChemicaL Information Database
Dipropylene glycol methyl ether acetate (88917-22-0)	
Partition coefficient n-octanol/water (Log Pow)	0.803 Source: OECD Screening Information Data Set
Distillates (petroleum), hydrotreated light (64742-47-8)	
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID
2-Propanol, 1-(1-methyl-2-propoxyethoxy)- (29911-27-1)	
Partition coefficient n-octanol/water (Log Pow)	0.64 Source: episuite

12.4. Mobility in soil

alpha-Pinene (80-56-8)	
Mobility in soil	2600 Source: HSDB
Dipropylene glycol methyl ether acetate (88917-22-0)	
Mobility in soil	11.05 Source: EPI Suite

12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Dispose of contents/container in accordance with local/regional/national regulations.

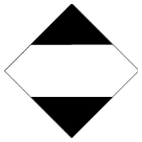
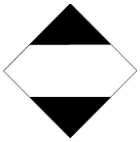
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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. Disposal must be done according to official regulations.

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 supplementary information available		

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

IMDG

Class (IMDG)	:	2 - 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 - Gases
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

Name	CAS-No.	Regulatory reference
Carbon dioxide	124-38-9	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)
2,6-dimethylheptan-4-one, di-isobutyl ketone	108-83-8	Listed on the Canadian DSL (Domestic Substances List)
Turpentine, oil	8006-64-2	Listed on the Canadian DSL (Domestic Substances List)
alpha-Pinene	80-56-8	Listed on the Canadian DSL (Domestic Substances List)
Dipropylene glycol methyl ether acetate	88917-22-0	Listed on the Canadian DSL (Domestic Substances List)

Distillates (petroleum), hydrotreated light	64742-47-8	Listed on the Canadian DSL (Domestic Substances List)
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Listed on the Canadian DSL (Domestic Substances List)
2-Propanol, 1-(1-methyl-2-propoxyethoxy)-	29911-27-1	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)

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)

2,6-dimethylheptan-4-one, di-isobutyl ketone (108-83-8)

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)

alpha-Pinene (80-56-8)

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

Dipropylene glycol methyl ether acetate (88917-22-0)

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

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)

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)

2-Propanol, 1-(1-methyl-2-propoxyethoxy)- (29911-27-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

15.2. Other Regulatory Information

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

VOC content	23.6 %
Product Category	Penetrating lubricants

SECTION 16: Other information

Issue date	:	07-17-2025
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Author		Angelina Cibulskis

Safety Data Sheet (SDS), Canada, CRC

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