

# SAFETY DATA SHEET

# 1. Identification

Product identifier Carquest Quick Dry Electronic Cleaner

Other means of identification

Product code 1040C (CRC# 79630)
Recommended use Electronic cleaner
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufactured or sold by:

Company name CRC Canada Co.
Address 2-1246 Lorimar Dr.

Mississauga, Ontario L5S 1R2

Canada

Telephone 905-670-2291
Website www.crc-canada.ca

E-mail Support.CA@crcindustries.com

Emergency phone number 24-Hour Emergency 800-424-9300 (Canada)

(CHEMTREC) 703-527-3887 (International)

# 2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1

Gases under pressure Compressed gas

Physical hazards not otherwise classified Category 1
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2B

Reproductive toxicity (fertility)

Category 2B

Category 2B

Specific target organ toxicity, single exposure Category 3 narcotic effects

Aspiration hazard Category 1
Hazardous to the aquatic environment, acute Category 2

Environmental hazards Hazardous to the aquatic environment, acute

hazard

Hazardous to the aquatic environment, Category 2

long-term hazard

Label elements

**Health hazards** 



Signal word Danger

Hazard statement Extremely flammable aerosol. Contains gas under pressure; may explode if heated. 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. May be fatal if swallowed and enters airways. Causes skin irritation. Causes eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Toxic to aquatic life. Toxic to aquatic life

with long lasting effects.

**Precautionary statement** 

**Prevention** 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 mist or vapor. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after

handling. Avoid release to the environment.

Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON

SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. 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/attention. IF exposed or concerned: Get medical advice/attention. In case of leakage, eliminate all ignition sources. Collect

spillage.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from

sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None known.

# 3. Composition/information on ingredients

### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
2-methylpentane		107-83-5	50 - 60
naphtha (petroleum), hydrotreated light		64742-49-0	30 - 40
carbon dioxide		124-38-9	5 - 10
n-hexane		110-54-3	5 - 10
2,2-dimethylbutane		75-83-2	< 0.2
2,3-dimethylbutane		79-29-8	< 0.2
3-methylpentane		96-14-0	< 0.2

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER or doctor/physician if you feel unwell.

**Skin contact** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

treatment needed
General information

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.

reducess, and discombine Skin initiation. May cause reducess and pain.

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data

sheet to the doctor in attendance.

# 5. Fire-fighting measures

Suitable extinguishing media Wate

Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may rupture when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be

formed.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions Specific methods

General fire hazards

In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes.

Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Remove all possible sources of ignition in the surrounding area. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers. basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

# 7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Level 3 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame. heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid spark promoters. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Value

1000 ppm

# 8. Exposure controls/personal protection

**US. ACGIH Threshold Limit Values** 

# Occupational exposure limits

2-methylpentane (CAS

Components

	. 71	
2,2-dimethylbutane (CAS 75-83-2)	STEL	1000 ppm
,	TWA	500 ppm
2,3-dimethylbutane (CAS 79-29-8)	STEL	1000 ppm
•	TWA	500 ppm

**STEL** 

Type

107-83-5) **TWA** 500 ppm

US	<b>ACGIH</b>	Threshold	I imit Va	alues

Components	Туре	Value
3-methylpentane (CAS 96-14-0)	STEL	1000 ppm
,	TWA	500 ppm
arbon dioxide (CAS 24-38-9)	STEL	30000 ppm
	TWA	5000 ppm
-hexane (CAS 110-54-3)	TWA	50 ppm
anada. Alberta OELs (Occupatio	nal Health & Safety Code, Sch	edule 1, Table 2)
Components	Туре	Value
2,2-dimethylbutane (CAS 25-83-2)	STEL	3500 mg/m3
		1000 ppm
	TWA	1760 mg/m3
		500 ppm
2,3-dimethylbutane (CAS 79-29-8)	STEL	3500 mg/m3
		1000 ppm
	TWA	1760 mg/m3
		500 ppm
-methylpentane (CAS 07-83-5)	STEL	3500 mg/m3
ŕ		1000 ppm
	TWA	1760 mg/m3
		500 ppm
-methylpentane (CAS 6-14-0)	STEL	3500 mg/m3
,		1000 ppm
	TWA	1760 mg/m3
		500 ppm
arbon dioxide (CAS 24-38-9)	STEL	54000 mg/m3
,		30000 ppm
	TWA	9000 mg/m3
		5000 ppm
aphtha (petroleum), ydrotreated light (CAS 4742-49-0)	TWA	1590 mg/m3
7172730)		400 ppm
-hexane (CAS 110-54-3)	TWA	176 mg/m3
110/01/07/07/07	1 447 7	50 ppm
		ου ρριτι

# Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	
2,2-dimethylbutane (CAS 75-83-2)	TWA	200 ppm	
2,3-dimethylbutane (CAS 79-29-8)	TWA	200 ppm	
2-methylpentane (CAS 107-83-5)	TWA	200 ppm	
3-methylpentane (CAS 96-14-0)	TWA	200 ppm	
carbon dioxide (CAS 124-38-9)	STEL	15000 ppm	
	TWA	5000 ppm	
n-hexane (CAS 110-54-3)	TWA	20 ppm	

	Туре	Value
,2-dimethylbutane (CAS 5-83-2)	STEL	1000 ppm
,	TWA	500 ppm
,3-dimethylbutane (CAS 9-29-8)	STEL	1000 ppm
0 20 0)	TWA	500 ppm
-methylpentane (CAS	STEL	1000 ppm
07-83-5)		
	TWA	500 ppm
-methylpentane (CAS 6-14-0)	STEL	1000 ppm
	TWA	500 ppm
arbon dioxide (CAS 24-38-9)	STEL	30000 ppm
,	TWA	5000 ppm
-hexane (CAS 110-54-3)	TWA	50 ppm
,		
canada. Ontario OELs. (Control o	-	
Components	Туре	Value
,2-dimethylbutane (CAS 5-83-2)	STEL	1000 ppm
3 33 2)	TWA	500 ppm
,3-dimethylbutane (CAS	STEL	1000 ppm
9-29-8)	0122	. σσο μμπι
-,	TWA	500 ppm
-methylpentane (CAS	STEL	1000 ppm
07-83-5)		· · · · rr···
	TWA	500 ppm
-methylpentane (CAS	STEL	1000 ppm
6-14-0)		
	TWA	500 ppm
arbon dioxide (CAS	STEL	30000 ppm
		5000
24-38-9)	T14/4	
ŕ	TWA	5000 ppm
,	TWA TWA	5000 ppm 50 ppm
-hexane (CAS 110-54-3)	TWA	
-hexane (CAS 110-54-3) canada. Quebec OELs. (Ministry o	TWA	50 ppm
-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components ,2-dimethylbutane (CAS	TWA of Labor - Regulation Respect	50 ppm ing the Quality of the Work Environment)
-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components ,2-dimethylbutane (CAS	TWA of Labor - Regulation Respect Type	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3
-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components ,2-dimethylbutane (CAS	TWA of Labor - Regulation Respect Type  STEL	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm
-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components ,2-dimethylbutane (CAS	TWA of Labor - Regulation Respect Type	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3
-hexane (CAS 110-54-3) canada. Quebec OELs. (Ministry of components ,2-dimethylbutane (CAS 5-83-2)	TWA of Labor - Regulation Respect Type STEL TWA	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm
-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components  7,2-dimethylbutane (CAS 5-83-2)	TWA of Labor - Regulation Respect Type  STEL	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3
a-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components 2,2-dimethylbutane (CAS 25-83-2)	TWA  of Labor - Regulation Respect Type  STEL  TWA  STEL	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3 1000 ppm
a-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components 2,2-dimethylbutane (CAS 25-83-2)	TWA of Labor - Regulation Respect Type STEL TWA	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3
-hexane (CAS 110-54-3)  canada. Quebec OELs. (Ministry of components  ,2-dimethylbutane (CAS 5-83-2)  ,3-dimethylbutane (CAS	TWA of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm
a-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components  2,2-dimethylbutane (CAS '5-83-2)  2,3-dimethylbutane (CAS '9-29-8)	TWA  of Labor - Regulation Respect Type  STEL  TWA  STEL	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3
-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components 7,2-dimethylbutane (CAS 5-83-2) 7,3-dimethylbutane (CAS 9-29-8)	TWA of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3 500 ppm
-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components 7,2-dimethylbutane (CAS 5-83-2) 7,3-dimethylbutane (CAS 9-29-8)	TWA of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA  STEL  TWA  STEL	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3 500 ppm 3500 ppm
-hexane (CAS 110-54-3) canada. Quebec OELs. (Ministry of components) ,2-dimethylbutane (CAS 5-83-2) ,3-dimethylbutane (CAS 9-29-8) -methylpentane (CAS	TWA of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm 3500 mg/m3
2,2-dimethylbutane (CAS 75-83-2)  2,3-dimethylbutane (CAS 79-29-8)  2-methylpentane (CAS 107-83-5)  3-methylpentane (CAS	TWA of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA  STEL  TWA  STEL	50 ppm ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3 500 ppm 3500 ppm
a-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components 2,2-dimethylbutane (CAS 75-83-2) 2,3-dimethylbutane (CAS 79-29-8) 2-methylpentane (CAS 107-83-5)	TWA  of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL	50 ppm  ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 3500 mg/m3  500 ppm 3500 mg/m3
a-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components  2,2-dimethylbutane (CAS 25-83-2)  2,3-dimethylbutane (CAS 29-29-8)  2-methylpentane (CAS 07-83-5)  3-methylpentane (CAS 65-methylpentane (CAS 65-methy	TWA  of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL	50 ppm  ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm
a-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components 2,2-dimethylbutane (CAS 25-83-2) 2,3-dimethylbutane (CAS 29-29-8) 2-methylpentane (CAS 07-83-5) 3-methylpentane (CAS	TWA  of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL	50 ppm  ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm 1760 mg/m3
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-hexane (CAS 110-54-3) Canada. Quebec OELs. (Ministry of Components  7,2-dimethylbutane (CAS 5-83-2)  7,3-dimethylbutane (CAS 9-29-8)  1-methylpentane (CAS 07-83-5)  -methylpentane (CAS	TWA  of Labor - Regulation Respect Type  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL	50 ppm  ing the Quality of the Work Environment) Value  3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3  1000 ppm 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm 1760 mg/m3

# Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) Type TWA 9000 mg/m3 5000 ppm naphtha (petroleum), hydrotreated light (CAS 64742-49-0) TWA 1590 mg/m3 400 ppm

### **Biological limit values**

n-hexane (CAS 110-54-3)

<b>ACGIH Biological Exposu</b>	re Indices
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Components	Value	Determinant	Specimen	Sampling Time
n-hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedio n, without hydrolysis	Urine	*

<sup>\* -</sup> For sampling details, please see the source document.

### **Exposure guidelines**

Canada - Alberta OELs: Skin designation

n-hexane (CAS 110-54-3)

Can be absorbed through the skin.

**TWA** 

Canada - British Columbia OELs: Skin designation

n-hexane (CAS 110-54-3) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

n-hexane (CAS 110-54-3)

Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

n-hexane (CAS 110-54-3) Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

n-hexane (CAS 110-54-3)

Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

n-hexane (CAS 110-54-3) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation** 

n-hexane (CAS 110-54-3)

Can be absorbed through the skin.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide evewash station.

176 mg/m3 50 ppm

# Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

Skin protection

**Hand protection** Wear protective gloves such as: Nitrile. Neoprene. Viton/butyl.

Other Wear appropriate chemical resistant clothing. 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.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. When using do not smoke. 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.

# 9. Physical and chemical properties

# **Appearance**

Physical state Liquid.
Form Aerosol.
Color Colorless.

SDS CANADA

Odor Alcoholic.
Odor threshold Not available.
pH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

range

123 °F (50.6 °C) estimated

Flash point < 0 °F (< -17.8 °C) Tag Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

1.1 % estimated

(%)

Flammability limit - upper

(%)

19 % estimated

Vapor pressure 3054.6 hPa estimated

Vapor density Not available.

Relative density 0.7 estimated

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature 489.2 °F (254 °C) estimated

**Decomposition temperature** Not available. **Viscosity** Not available.

Other information

Percent volatile 94.7 % estimated

# 10. Stability and reactivity

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

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Heat, flames and sparks. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

Carbon oxides.

# 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Skin contactCauses skin irritation.Eye contactCauses eye irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of eyes. Exposed individuals may experience eye tearing,

redness, and discomfort. Skin irritation. May cause redness and pain.

Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

Components **Species Test Results** naphtha (petroleum), hydrotreated light (CAS 64742-49-0) **Acute Dermal** LD50 Rabbit > 2000 mg/kg Inhalation LC50 Rat 61 mg/l, 4 Hours Oral LD50 Rat > 5000 mg/kg n-hexane (CAS 110-54-3)

**Acute Dermal** 

> LD50 Rabbit > 1300 mg/kg

Inhalation

LC50 Rat < 48000 ppm, 4 Hours

Oral

LD50 Rat 15840 mg/kg

Skin corrosion/irritation Causes skin irritation. Serious eye damage/eye

Causes eye irritation.

irritation

Respiratory sensitization Not a respiratory sensitizer.

This product is not expected to cause skin sensitization. Skin sensitization

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity No data available to indicate product or any components present at greater than 0.1% are

carcinogenic.

Reproductive toxicity Suspected of damaging fertility.

Specific target organ toxicity -

single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity -

repeated exposure

Not classified.

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

# 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
2-methylpentane (CAS	S 107-83-5)		
Aquatic			
Acute			
Crustacea	EC50	Daphnia	1 - 10 mg/l, 48 hours
Fish	LC50	Fish	1 - 10 mg/l, 96 hours
naphtha (petroleum), h	nydrotreated light (0	CAS 64742-49-0)	
Aquatic			
Acute			
Crustacea	EC50	Daphnia	1 - 10 mg/l, 48 hours
Fish	LC50	Fish	1 - 10 mg/l, 96 hours
n-hexane (CAS 110-54	4-3)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	2.101 - 2.981 mg/l, 96 hours

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

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

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

2,2-dimethylbutane 3.82 2,3-dimethylbutane 3.42 2-methylpentane 3.74 3-methylpentane 3.6 3.9 n-hexane

**Bioconcentration factor (BCF)** 

naphtha (petroleum), hydrotreated light 10 - 25000

Mobility in soil No data available.

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

potential.

# 13. Disposal considerations

Disposal of waste from residues / unused products Contents under pressure. Do not puncture, incinerate or crush. Empty container can be recycled. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of

contents/container in accordance with local/regional/national regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

# 14. Transport information

**TDG** 

UN1950 **UN number** 

**UN** proper shipping name Transport hazard class(es) AEROSOLS, flammable, Limited Quantity

2.1 Class Subsidiary risk

Not applicable. Packing group **Environmental hazards** Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions

80, 107

**IATA** 

**UN** number UN1950

**UN** proper shipping name Aerosols, flammable, Limited Quantity

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group Not applicable.

**Environmental hazards** No. **ERG Code** 10L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

Allowed with restrictions.

aircraft

Allowed with restrictions. Cargo aircraft only

**IMDG** 

UN1950 **UN** number

AEROSOLS, Limited Quantity UN proper shipping name

Transport hazard class(es)

Class 2 Subsidiary risk

Not applicable. Packing group

**Environmental hazards** 

Marine pollutant No.

**EmS** Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Not established.

# 15. Regulatory information

# Canadian regulations

# **Controlled Drugs and Substances Act**

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

**Greenhouse Gases** 

carbon dioxide (CAS 124-38-9)

**Precursor Control Regulations** 

Not regulated.

### International regulations

# **Stockholm Convention**

Not applicable.

### **Rotterdam Convention**

Not applicable.

**Kyoto protocol** 

carbon dioxide (CAS 124-38-9) Listed.

**Montreal Protocol** 

Not applicable.

# **Basel Convention**

Not applicable.

# **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information

**Issue date** 03-15-2017

Version # 01

Further information CRC # 985

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professional, or CRC Canada Co..