

## SAFETY DATA SHEET

320-064

#### 1. Identification

**Product identifier** 

Chain & Wire Rope Lubricant

Other means of identification

**Product code** 

No. 73050 (Item# 1006156)

Recommended use

Lubricant

Recommended restrictions

None known.

Manufacturer/Importer/Supplier/Distributor Information

Manufactured or sold by:

Company name

CRC Canada Co.

Address

2-1246 Lorimar Drive

Telephone

General Information

905-670-2291

24-Hour Emergency

800-424-9300 (Canada) 703-527-3887 (International)

Mississauga, Ontario L5S 1R2 Canada

(CHEMTREC)

www.crc-canada.ca

Website E-mail

Support.CA@crcindustries.com

# 2. Hazard(s) identification

Physical hazards

Health hazards

Flammable aerosols

Gases under pressure

Category 1 Liquefied gas

Physical hazards not otherwise classified

Category 1

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2B

Reproductive toxicity (fertility)

Category 2

Specific target organ toxicity, single exposure

Category 3 narcotic effects

Aspiration hazard

Category 1

Hazardous to the aquatic environment, acute

Category 2

Hazardous to the aquatic environment,

long-term hazard

Category 2

### Label elements

Environmental hazards



Signal word

**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 with long lasting

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. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

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#### 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

### 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	30 - 60
liquefied petroleum gas		68476-86-8	15 - 40
naphtha (petroleum), hydrotreated light		64742-49-0	15 - 40
n-hexane		110-54-3	3-7
lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based		72623-86-0	0.5 - 1.5
2,2-dimethylbutane		75-83-2	0.1 - 1
2,3-dimethylbutane		79-29-8	0.1 - 1
3-methylpentane		96-14-0	0.1-1

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.

### 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 Ingestion

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. 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

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.

Indication of immediate medical attention and special treatment needed

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

General information

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

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

media

Unsuitable extinguishing

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

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Special protective equipment and precautions for firefighters Fire fighting

equipment/instructions Specific methods

General fire hazards

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

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 proteinment to produ 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.

**Environmental precautions** 

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. 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

### 7. Handling and storage

contamination.

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 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. 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

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).

### 8. Exposure controls/personal protection

### Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Туре	Value I	Form
2,2-dimethylbutane (CAS 75-83-2)	STEL	1000 ppm	
2,3-dimethylbutane (CAS 79-29-8)	TWA STEL	500 ppm 1000 ppm	
•,	TWA	500 ppm	

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107-83-5    TWA   500 ppm   96-14-0    TWA   500 ppm   96-14-0    TWA   500 ppm   96-14-0    TWA   500 ppm   107-83-6    TWA   1760 mg/m3   107-83-6    TWA	Components	Туре	Value	Form
3-methylpentane (CAS   STEL   1000 ppm   1	2-methylpentane (CAS 107-83-5)	STEL	1000 ppm	
98-14-0)  TWA 500 ppm  Lubricating oils (petroleum). TWA 500 ppm  Lot-15-30. hydrotreated neutral oil-based (CAS 72623-86-0)  n-hexane (CAS 110-54-3)  TWA 50 ppm  Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)  Z-2-dimethylbutane (CAS 5TEL 3500 mg/m3  TWA 1760 mg/m3  500 ppm  TWA 1760 mg/m3  TWA 1760 mg/m3  TWA 200 ppm	2 math. tanatana (2.42		500 ppm	
Lubricating oils (petroleum).   TWA   So ppm   Inhalable fraction.   C15-30, hydrotreated neutral oil-based (CAS   T2623-86-0)   TWA   50 ppm   C27623-86-0)   TWA   50 ppm   C27623-86-0   TWA   50 ppm   C27623-8-1   TWA   50 ppm   C27623-8-1   TWA   50 ppm   C27623-8-1   TWA   50 ppm   C27623-8-1   TWA   50 ppm   C27623-8   C27623-8   TWA   50 ppm   C27623-8   C27623-8   TWA   50 ppm   C27623-8		STEL	1000 ppm	
C15-30, hydrotreated neutral oil-based (CAS 72623-8-0) hydrotreated neutral oil-based (CAS 110-54-3) TWA 50 ppm h-hexane (CAS 110-54-3) TWA 50 ppm 1000 ppm 17WA 1760 mg/m3 500 ppm 17WA 17WA 17WA 17WA 17WA 17WA 17WA 17WA			500 ppm	
Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)   Components	C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)		5 mg/m3	Inhalable fraction.
Components   Type   Value	•		50 ppm	
2,2-dimethylbutane (CAS   STEL   3500 mg/m3   1000 ppm   1760 mg/m3   500 ppm   3500 ng/m3   500 ppm   1760 mg/m3   1590 mg/m3   1760 mg/m3   1	Canada. Alberta OELS (Occupatio			
TWA   1760 mg/m3   500 ppm   3500 mg/m3   500 ppm   3500 mg/m3   500 ppm   3500 mg/m3   500 ppm   3500 mg/m3   3500 mg/m3   1760 mg/m3   500 ppm   3500 mg/m3   1760 mg/m3   3500 mg/m3	· · · · · · · · · · · · · · · · · · ·		Value	<u> </u>
TWA 1760 mg/m3 500 ppm 179-29-8)  TWA 1760 mg/m3 500 ppm 1760 mg/m3 50	75-83-2)	STEL	3500 mg/m3	
2,3-dimethylbutane (CAS STEL 3500 mg/m3 79-29-8)  TWA 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm 1760 mg/m3 1760 mg		T14/4		
TWA		IWA		
TWA   1000 ppm   1760 mg/m3   500 ppm   3500 mg/m3   1000 ppm   1760 mg/m3   1	2.3-dimethylbutane (CAS	<b>E</b> TEI		
TWA 1760 mg/m3 500 ppm 1707-83-5)  TWA 1760 mg/m3 500 mg/m3 1707-83-5)  TWA 1760 mg/m3 500 ppm 1760 mg/m3	79-29-8)	SIEL	3500 mg/m3	
2-methylpentane (CAS   STEL   3500 ppm   3500 mg/m3   1000 ppm   1760 mg/m3   500 ppm   3500 mg/m3   3500 ppm		TIALA	• • • • • • • • • • • • • • • • • • • •	
######################################		IVVA	<u> </u>	
TWA 1000 ppm 1760 mg/m3 500 ppm 3500 mg/m3 106-14-0)  TWA 1760 mg/m3 500 ppm 1760 mg/m3	2-methylpentane (CAS	STEI	• •	
TWA 1760 mg/m3 500 ppm 3500 mg/m3 1000 ppm 1760 mg/m3 500 ppm 1760 mg/m3 500 ppm 1760 mg/m3 1760 mg	107-83-5)	SIEL	3500 mg/m3	
3-methylpentane (CAS STEL STEL S500 ppm 3500 mg/m3 3500 mg/m3 3500 mg/m3 3500 mg/m3 3500 ppm 1760 mg/m3 500 ppm 1590 mg/m3 3500 ppm 1760 mg/m3 3500 mg/m3 3500 ppm 1760 mg/m3 3500 ppm 1760 mg/m3 3500 ppm 1760 mg/m3 3500 ppm 1760 mg/m3 3600 ppm 1760 ppm 17				
Amethylpentane (CAS   STEL   3500 mg/m3   1000 ppm   1760 mg/m3   500 ppm   1760 mg/m3   500 ppm   1590 mg/m3   1760 mg/m3		IWA		
TWA 1000 ppm 1760 mg/m3 500 ppm 1590 mg/m3 16742-49-0)  Thexane (CAS 110-54-3) TWA 176 mg/m3 50 ppm 176 mg/m3 50 ppm 176 mg/m3 mg/m3 176 mg/m3 mg/m3 176 mg/m	3-methylpentane (CAS	STEI		
TWA 1760 mg/m3 500 ppm 1590 mg/m3 1590 mg/m3 1590 mg/m3 1590 mg/m3 1590 mg/m3 1590 mg/m3 176 mg/m3 50 ppm 177 mg/m3 178 mg/m3 179 value Form 170 value Form 179 value Form 170 value Value Form 170 value Value Form 170 value Value Form 170 value Valu	06-14-0)	SILL	3500 mg/m3	
haphtha (petroleum), anydrotreated light (CAS 110-54-3) TWA 1590 mg/m3 176 mg/m3 mg/m3 176 mg/m3 mg/m3 176 mg/m3 176 mg/m3 176 mg/m3 176 mg/m3 176 mg/m3 176 mg/m3 mg/m3 176 mg/m3 176 mg/m3 176 mg/m3 176 mg/m3 176 mg/m3		TIAVA	• •	
Aprilian (petroleum),		IVVA		
Address and the state of the st	naphtha (petroleum).	TIMA	• • • • • • • • • • • • • • • • • • • •	
Annexane (CAS 110-54-3) TWA 176 mg/m3 50 ppm  Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Cafety Regulation 296/97, as amended)  Type Value Form  2-dimethylbutane (CAS TWA 200 ppm  3-dimethylbutane (CAS TWA 200 ppm  -methylpentane (CAS TWA 100 ppm  -methylpentane (CAS TWA 100 ppm  -methylpentane (CAS TWA 100 ppm  -methylpentane (CAS TWA 200 ppm  -methylpentane (CAS 200 ppm  -methylpen	nydrotreated light (CAS	IWA	1590 mg/m3	
Anexane (CAS 110-54-3) TWA 176 mg/m3 50 ppm  Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Casefut Regulation 296/97, as amended)  Type Value Form  2.2-dimethylbutane (CAS TWA 200 ppm  3.3-dimethylbutane (CAS TWA 200 ppm  3-29-8) methylpentane (CAS TWA 200 ppm methylpentane (CAS TWA 100 ppm	. h	•	400 ppm	
Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)  Components  Type  Value  Form  2.2-dimethylbutane (CAS 5-83-2) 3-dimethylbutane (CAS 9-29-8) 7-WA 200 ppm 9-29-8) 7-methylpentane (CAS 7 TWA 7 TWA 7 TWA 8 TWA 8 TWA 9-20-8-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	n-nexane (CAS 110-54-3)	TWA		
Type Value Form  2,2-dimethylbutane (CAS TWA 200 ppm  3,3-dimethylbutane (CAS TWA 200 ppm  3-dimethylputane (CAS TWA 200 ppm  9-29-8)  -methylpentane (CAS TWA 200 ppm  -methylpentane (CAS TWA 200 ppm  -methylpentane (CAS TWA 200 ppm  -methylpentane (CAS TWA 1 mg/m3 Mist.  15-30, hydrotreated eutral oil-based (CAS 2223-88-0)				
Components	Canada. British Columbia OELs. ( Safety Regulation 296/97, as amer	Occupational Exposure Limit ided)	s for Chemical Substances, Oc	cupational Health and
75-83-2) 9-29-8) 9-29-8)methylpentane (CAS TWA 200 ppm 07-83-5)methylpentane (CAS TWA 200 ppm 09-14-14-14-14-14-14-14-14-14-14-14-14-14-	Components	Туре	Value	Form
9-29-8)methylpentane (CAS TWA 200 ppm methylpentane (CAS TWA 200 ppm methylpentane (CAS TWA 200 ppm methylpentane (CAS TWA 1 mg/m3 Mist.	(5-83-2)	TWA	200 ppm	
07-83-5)methylpentane (CAS TWA 200 ppm	2,3-dimethylbutane (CAS 79-29-8)	TWA	200 ppm	
6-14-0)  1bricating oils (petroleum), 1t5-30, hydrotreated  1utral oil-based (CAS 2623-86-0)  1beavane (CAS 110 54 3)		TWA	200 ppm	* .
115-30, hydrotreated eutral oil-based (CAS 2623-86-0)	6-14-0)	TWA	200 ppm	
-hevano (CAS 110 E4 2)	15-30, hydrotreated eutral oil-based (CAS	TWA	1 mg/m3	Mist.
		TWA	20 ppm	

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Components	Туре	Value	Form
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	
2-methylpentane (CAS 107-83-5)	STEL	1000 ppm	
	TWA	500 ppm	
3-methylpentane (CAS 96-14-0)	STEL	1000 ppm	
	TWA	500 ppm	
ubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)	TWA	5 mg/m3	Inhalable fraction.
n-hexane (CAS 110-54-3)	TWA	50 ppm	
Canada. Ontario OELs. (Control o Components	of Exposure to Biological or Ci		
2,2-dimethylbutane (CAS	Туре	Value	Form
75-83-2)	STEL	1000 ppm	
2,3-dimethylbutane (CAS	TWA	500 ppm	
9-29-8)	STEL	1000 ppm	
mathulacutau - 1040	TWA	500 ppm	
?-methylpentane (CAS 107-83-5)	STEL	1000 ppm	
I mothylaester - (OAG	TWA	500 ppm	
l-methylpentane (CAS 16-14-0)	STEL	1000 ppm	
shelenting all to a column	TWA	500 ppm	
Jbricating oils (petroleum), 215-30, hydrotreated eutral oil-based (CAS 2623-86-0)	TWA	5 mg/m3	Inhalable fraction.
-hexane (CAS 110-54-3)	TWA	50 ppm	
anada. Quebec OELs. (Ministry		50 ppm	
omponents	Type	Value	ivironment)
,2-dimethylbutane (CAS 5-83-2)	STEL	3500 mg/m3	
		1000 ppm	
	TWA	1760 mg/m3	
		500 ppm	
,3-dimethylbutane (CAS 9-29-8)	STEL	3500 mg/m3	
	TWA	1000 ppm	
	IVVA	1760 mg/m3	
-methylpentane (CAS	STEL	500 ppm	
07-83-5)	SIEL	3500 mg/m3	
	TWA	1000 ppm	
	IVVA	1760 mg/m3	
methylpentane (CAS 6-14-0)	STEL	500 ppm 3500 mg/m3	
•		1000 ppm	

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Components	<u>-</u>	Type	lation Respectin	y are want	Value	ENVIRONIT	ient)	
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)		TWA			1590 mg/m3			
n-hexane (CAS 110-54-3)		TWA			400 ppm 176 mg/m3 50 ppm			
ological limit values ACGIH Biological Exposu Components	re Indices Value		Determinant	Specimer	Sampli	ng Time		
n-hexane (CAS 110-54-3)	0.4 mg/l		2,5-Hexanedio n, without hydrolysis	Urine	· Odinpin	' ' '		
* - For sampling details, ple	ase see the sour	e docu	ment					
posure guidelines	ada 000 tilo 000ii	oc acca	ment.					
Canada - Alberta OELs: S	kin designation							
n-hexane (CAS 110-54			Con he	abaarbad M	marrada Ale e e lab			
Canada - British Columbia		signatio	on	ausoipeu (n	rough the skir	1.		
n-hexane (CAS 110-54 Canada - Manitoba OELs:	-3) Skin designatio	n	Can be	absorbed th	rough the skir	1.		
n-hexane (CAS 110-54 Canada - Ontario OELs: S	kin designation		Can be	absorbed th	rough the skir	١.		
n-hexane (CAS 110-54 Canada - Quebec OELs: S	kin designation		Can be	absorbed th	rough the skir	ı.		
n-hexane (CAS 110-54 Canada - Saskatchewan C	ELs: Skin desig	nation	Can be	absorbed th	rough the skir	<b>.</b>		
n-hexane (CAS 110-54 US ACGIH Threshold Limi	t Values: Skin d	esignat	tion		rough the skir			
n-hexane (CAS 110-54			Can be	absorbed the	rough the skir			
propriate engineering ntrois	or other engir exposure limi eyewash stati	itched to neering ts have ion.	tion (typically 10 a conditions. If app controls to mainta not been establish	ilicable, use p in airborne le ned, maintain	process enclo vels helow rea	sures, loca	l exhaust v	entilation,
dividual protection measure Eye/face protection	s, such as perso Wear safety o	nal pro lasses	tective equipmen with side shields (	nt or goggles).				
Skin protection								
Hand protection	Wear protecti	ve glove	es such as: Nitrile.	Viton/butvl.				
Other			emical resistant clo		suitable prote	ctive clothi	na.	
Respiratory protection	If engineering NIOSH-appro breathing app	control ved car aratus i	s are not feasible tridge respirator wind confined spaces bloyee exposure le	or if exposure ith an organic and for eme	e exceeds the	applicable	exposure li	ad.
Thermal hazards			rmal protective clo		necessary			
neral hygiene nsiderations	When using, or personal hygin	do not e ene me: or smok	at, drink or smoke asures, such as w ing. Routinely wa	. When using	do not smok	otorial and	d hoforo oat	ina
Physical and chemica	properties			<del></del>				
pearance								
Physical state	Liquid.							
Form	Aerosol.							
Color	Green.							
or	Mild solvent.							
or threshold								

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Ηα

Not available.

Melting point/freezing point

< -76 °F (< -60 °C)

Initial boiling point and boiling

118.4 °F (48 °C) estimated

range

Flash point

< 0 °F (< -17.8 °C) Tag Closed Cup

Evaporation rate

Very fast. Not available.

Flammability (solid, gas)

Upper/lower flammability or explosive limits Flammability limit - lower 1 % estimated

(%) Flammability limit - upper

(%)

8 % estimated

Vapor pressure

1565.6 hPa estimated > 1 (air = 1)

Vapor density Relative density

0.64 estimated

Solubility(ies)

Solubility (water)

Negligible.

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

437 °F (225 °C) estimated

Decomposition temperature

Not available. Not available.

Viscosity

Other information

Heat of combustion (NFPA 29.1 kJ/g estimated

30B) Percent volatile

93 % estimated

# 10. Stability and reactivity

Reactivity

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

Chemical stability

Possibility of hazardous

Material is stable under normal conditions.

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 contact

Causes skin irritation.

Eye contact

Causes eve 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.

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Components	Species	Test Results	
naphtha (petroleum), hydrotreate	d light (CAS 64742-49-0)	Tottiouns	
Acute	•		
Dermal			
LD50	Rabbit	> 2000 mg/kg	
n-hexane (CAS 110-54-3)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 1300 mg/kg	
Oral			
LD50	Rat	15840 mg/kg	
* Estimates for product may	be based on additional com	ponent data not shown.	
Skin corrosion/irritation	Causes skin irritation.		
Serlous eye damage/eye rritation	Causes eye irritation.		
Respiratory sensitization	Not a respiratory sensitiz	er.	
Skin sensitization		eted to cause skin sensitization.	
Germ cell mutagenicity	No data available to indic mutagenic or genotoxic.	cate product or any components present at greater than 0.1% are	
Carcinogenicity	No data available to indic carcinogenic.	ate product or any components present at greater than 0.1% are	
ACGIH Carcinogens			
011-04364 (OAO 12023-01	0-0)	utral A4 Not classifiable as a human carcinogen.	
Canada - Manitoba OELs: o	arcinogenicity		
lubricating oils (petroleur oil-based (CAS 72623-8) IARC Monographs, Overall	J-U1 .	utral Not classifiable as a human carcinogen.	
lubricating oils (petroleur oil-based (CAS 72623-86	n), C15-30, hydrotreated ne	utral 3 Not classifiable as to carcinogenicity to humans.	
white mineral oil (CAS 8)		3 Not classifiable as to carcinogenicity to humans.	
Reproductive toxicity	Suspected of damaging for	ertility.	
Specific target organ toxicity - lingle exposure	May cause drowsiness ar	nd dizziness.	
pecific target organ toxicity - epeated exposure	Not classified.		
spiration hazard	May be fatal if swallowed	and enters airways.	
12. Ecological information	n		
cotoxicity	Toxic to aquatic life with le	ong lasting effects.	
Components	Species Test Results		
2-methylpentane (CAS 107-8: Aquatic	3-5)		
Acute			
Crustacea	EC50 Daphnia	1 - 10 mg/l, 48 hours	
Fish	LC50 Fish		
naphtha (petroleum), hydrotre  Aquatic		1 - 10 mg/l, 96 hours )	
Acute	TOF0		

Material	name:	Chain	& Wire	Rope	Lubri	cant

Crustacea

Fish

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Daphnia

Fish

EC50

LC50

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1 - 10 mg/l, 48 hours

1 - 10 mg/l, 96 hours

•..

Components

Species

**Test Results** 

n-hexane (CAS 110-54-3)

Aquatic

Fish

LC50

Fathead minnow (Pimephales promelas) 2.101 - 2.981 mg/l, 96 hours

\* 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 3.74 2-methylpentane 3-methylpentane 3.6 n-hexane 3.9 Bioconcentration factor (BCF)

Mobility in soil

naphtha (petroleum), hydrotreated light No data available.

Other adverse effects

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

### 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

10 - 25000

contents/container in accordance with local/regional/national regulations. Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code

Not regulated.

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

2.1

2.1

No.

Not applicable.

# 14. Transport information

TDG

**UN** number

UN1950 AEROSOLS, flammable, Limited Quantity

UN proper shipping name Transport hazard class(es)

Class

Subsidiary risk Packing group

Not applicable.

**Environmental hazards** 

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

Subsidiary risk

Packing group

**Environmental hazards** 

**ERG Code** 

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

Other information

Passenger and cargo

aircraft

Cargo aircraft only

IMDG

**UN number** 

UN1950

UN proper shipping name

AEROSOLS, Limited Quantity

Allowed with restrictions.

Allowed with restrictions.

Material name: Chain & Wire Rope Lubricant No. 73050 (Item# 1006156) Version #: 01 Issue date: 10-25-2016

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Class Subsidiary risk Packing group Not applicable. Environmental hazards Marine pollutant **EmS** Not available. Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Transport in bulk according to Annex II of MARPOL 73/78 and Not established. the IBC Code 15. Regulatory information Canadian regulations **Controlled Drugs and Substances Act** Not regulated. Export Control List (CEPA 1999, Schedule 3) Not listed. **Greenhouse Gases** Not listed. **Precursor Control Regulations** Not regulated. International regulations Stockholm Convention Not applicable. **Rotterdam Convention** Not applicable. Kyoto protocol Not applicable. 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 European Inventory of Existing Commercial Chemical Substances (EINECS) Europe No Europe European List of Notified Chemical Substances (ELINCS) No Japan Inventory of Existing and New Chemical Substances (ENCS) No 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 "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 16. Other information Issue date 10-25-2016 Version # 01 Material name: Chain & Wire Rope Lubricant SDS CANADA No. 73050 (Item# 1006156) Version #: 01 Issue date: 10-25-2016 10/11

Transport hazard class(es)

## Further information

Disclaimer

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The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC's knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety professional, or CRC Canada Co..

Material name: Chain & Wire Rope Lubricant

No. 73050 (Item# 1006156) Version #: 01 Issue date: 10-25-2016

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