

Productname :	CHAIN LUBE	Creationdate :	20.12.07
Ref.Nr.:	AB12900-3-201207	Replaces:	31.10.07

1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : CHAIN LUBE
Aerosol

Application : Lubricants

Company : CRC Industries Europe bvba
Touwslagerstraat 1
9240 ZELE
Belgium
Tel.: (+32)(0)52/456011
Fax: (+32)(0)52/450034
E-mail : hse@crcind.com

In case of emergency : (+32) (0)52/45 60 11

Subsidiaries		Tel	Fax
CRC Industries Finland	Asemanrinne 13, 08500 Lohja AS	(+358)(0)19/32921	(+358)(0)19/383676
CRC Industries France	12, Bld des Martyrs de Chateaubriant F-95102 Argenteuil Cédex	(+33)(0)1/34112000	(+33)(0)1/34110996
CRC Industries Deutschland	Südring 9, 76473 Iffezheim	(+49)(0)7229/3030	(+49)(0)7229/303266
CRC Industries Iberia	Gremio del cuero S/N, 40195 Segovia	(+34)921/427546	(+34)921/436270
CRC Industries Sweden	Kryptongatan 14, 43153 Mölndal	(+46)(0)31/7068480	(+46)(0)31/273991

2. HAZARD IDENTIFICATION

Health and Safety : Extremely Flammable
(propane/butane propellant)
Remark: Preparations classified as harmful on the basis of an aspiration hazard need not be labelled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment. (EU-Directive 67/548 Annex VI 9.4)

Environment : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



Productname : CHAIN LUBE
Ref.Nr.: AB12900-3-201207

Creationdate : 20.12.07
Replaces: 31.10.07

Other hazards :

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
 Without adequate ventilation formation of explosive mixtures may be possible.

3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
Naphtha (petroleum), hydrotreated light (benzene<0.1%)	64742-49-0	265-151-9	5-10	F,Xn,N	11-38-51/53-65-67	B,P
Residual oils (petroleum), solvent-dewaxed; Baseoil - unspecified	64742-62-7	265-166-0	10-30			B,L
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	68512-91-4	270-990-9	30-60	F+	12	K
Naphtha (petroleum), hydrodesulfurized light (benzene<0.1%)	92045-53-9	295-434-2	5-10	F,Xn,N	11-38-51/53-65-67	B,P
Explanation notes						
B : substance with national established workplace exposure limit						
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)						
L : not classified as carcinogen, less than 3% DMSO extract as measured by IP 346						
P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)						

Note H and P of Annex I (67/548/EEC) apply for the naphtha's in this product.

(* Explanation risk-phrases : see chapter 16)

4. FIRST AID MEASURES**General Advice :**

The usual precautions for handling chemicals should be observed

If any symptoms should occur, seek medical advice.

Contact with eyes :

If substance has got into eyes, immediately wash out with plenty of water

Contact with skin :

Wash with water and soap.

Inhalation :

Fresh air, keep warm and at rest.



Productname : CHAIN LUBE
Ref.Nr.: AB12900-3-201207

Creationdate : 20.12.07
Replaces: 31.10.07

Ingestion : Ingestion is unlikely to occur
If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

5. FIRE-FIGHTING MEASURES

Flash point (without propellant): < 0 °C
Explosion limits : upper limit : not available
lower limit : not available
Extinguishing media : foam, carbon dioxide or dry agent
Fire-fighting procedures : Keep container(s) exposed to fire cool, by spraying with water
Unusual exposure hazard : Aerosols may explode if heated above 50°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Shut off all ignition sources
Ensure adequate ventilation
Environmental precautions : Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities
Cleaning methods : Absorb spillage in suitable inert material

7. HANDLING AND STORAGE

Handling procedures : Use only in well ventilated areas
Keep away from heat and sources of ignition
Do not spray on a naked flame or incandescent material.
Do not pierce or burn aerosols, even after use.
Storage procedures : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep in a cool, dry, well ventilated place
Keep out of reach of children.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control procedures : Ensure adequate ventilation
Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Personal protection : It is advisable to take precautions to avoid contact with skin and eyes when handling the product.
Use only in well ventilated areas



Productname : CHAIN LUBE
Ref.Nr.: AB12900-3-201207

Creationdate : 20.12.07
Replaces: 31.10.07

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
(Filter type AX)

hands and skin : Wear suitable protective gloves
(nitrile)

eyes : Wear safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

Apperance : physical state : Liquid under pressure

colour : blue

odour : solvent

Boiling point/range : not available

Relative density : 0,81 (@ 20°C)

pH : not applicable

Vapour pressure : not available

Relative vapour density : not available

Solubility in water : not available

Partition coefficient n-octanol/water: not available

Flash point : < 0 °C

Auto-ignition : > 200 °C

Viscosity : not available

Evaporation rate : not available

10. STABILITY AND REACTIVITY

Conditions to be avoided : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep away from heat and sources of ignition

Materials to be avoided : Strong oxidising agent

Hazardous decomposition compounds : CO,CO2

11. TOXICOLOGICAL INFORMATION

Inhalation : Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Ingestion : Ingestion is unlikely to occur
If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

Skin contact : Prolonged skin contact will result in defatting of the skin



Productname : CHAIN LUBE
Ref.Nr.: AB12900-3-201207

Creationdate : 20.12.07
Replaces: 31.10.07

12. ECOLOGICAL INFORMATION

Other adverse effects : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Do not allow to enter public sewers and watercourses

13. WASTE DISPOSAL

Product : Do not empty into drains.
This material and its container must be disposed of in a safe way.
Disposal should be in accordance with local, state or national legislation

14. TRANSPORT

UN-number : 1950
Road/Rail - ADR/RID : UN1950 Aerosols Class : 2, PG : NA, Class code : 5F, Label : 2.1
Sea - IMDG : UN1950 Aerosols Ltd Qty Class : 2.1, PG : NA, Label : 2.1
EmS F-D,S-U
Air - IATA/ICAO : UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG
Packing instr. LQ Y203
PAX 203
CAO 203

15. REGULATORY INFORMATION

Warning symbol(s) : F+
Risk-phrase(s) : R12: Extremely flammable.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety-phrase(s) : S2: Keep out of the reach of children.
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe spray.
S35: This material and its container must be disposed of in a safe way.
S51: Use only in well-ventilated areas.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
Without adequate ventilation formation of explosive mixtures may be possible.



Productname : CHAIN LUBE
Ref.Nr.: AB12900-3-201207

Creationdate : 20.12.07
Replaces: 31.10.07

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.

REVISIONS IN CHAPTRE :

3

*Explanation risk-phrases:

R11: Highly flammable.

R12: Extremely flammable.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : www.crcind.com. We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.

