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SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: CHAIN LUBE
- Product Part Number: AER007

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Chain lubricant
- Use advised against: Do not use in any other application., For specific application information consult Technical Data Sheet.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Aztec Oils Ltd
- Address of Supplier: Intake Road
Bolsover Business Park,
Bolsover,
Derbyshire,
S44 6BB,
UK
- Telephone: +44 (0)1246 823007
Monday-Thursday 08:00 - 17:00
Friday 08:00 - 16:00, GMT/BST
- Email: Technical@aztecoils.co.uk
- Name of Supplier: Aztec Oils Europe BV
- Address of Supplier: Centraleweg 11-E
4931 NA
Geertruidenberg
THE NETHERLANDS
- Telephone: +31 (0)162-51 93 95
Monday - Friday 08:30 - 17:00
- Email: Info@aztecoilseurope.nl

1.4 Emergency telephone number

- Emergency Telephone: For UK and Northern Ireland Tel: 999 or 101., For ROI dial 999 or 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Aerosol 2, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2

2.2 Label elements

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SECTION 2: Hazards identification (....)



- Signal Word: Warning

2.2.1 Hazard statements

Flammable aerosol (H223).
Causes skin irritation (H315).
May cause drowsiness or dizziness (H336).
Toxic to aquatic life with long lasting effects (H411).
Contains Naphthenic acids, zinc salts. May produce an allergic reaction (EUH208).
Contains: Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2%; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane; Hydrocarbons, C6, isoalkanes, <5% n-hexane

2.2.2 Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking (P210).
Do not spray on an open flame or other ignition source (P211).
Avoid breathing vapour/ spray (P261).
Wear protective gloves/protective clothing/eye protection/face protection (P280).
IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. (P302 + 350: P332 + 313.)
IF INHALED: Remove person to fresh air and keep comfortable for breathing (P304+P340).
Do not pierce or burn, even after use (P251).
Take off contaminated clothing and wash it before reuse (P362+P364).
Avoid release to the environment (P273).
Dispose of contents and/or container in accordance with local/ national regulations (P501).

2.3 Other hazards

- This product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

3.2.1 Petroleum gases, liquefied; Petroleum gas, <0.1% 1,3-Butadiene

CAS Number: 68476-85-7
EC Number: 270-704-2
REACH Registration Number: 01-2119485911-31
Index No.: 649-202-00-6
Specific Concentration Limits: Not assigned.

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SECTION 3: Composition/information on ingredients (....)

M factor: Not applicable.
Concentration: 30 - 60%
H Statements: H220, H280
Categories: Flam. Gas 2, Press. Gas

3.2.2 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

CAS Number: Not applicable.
EC Number: 921-024-6
REACH Registration Number: 01-2119475514-35
Index No.: Not applicable.
Specific Concentration Limits: Not assigned.
M factor: Not applicable.
Concentration: 10 - 30%
H Statements: H225, H304, H315, H336, H411
Categories: Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2

3.2.3 Hydrocarbons, C6, isoalkanes, <5% n-hexane

CAS Number: 64742-49-0
EC Number: 931-254-9
REACH Registration Number: 01-2119484651-34
Index No.: Not applicable.
Specific Concentration Limits: Not assigned.
M factor: Not applicable.
Concentration: 5 - 10%
H Statements: H225, H304, H315, H336, H411
Categories: Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2

3.2.4 Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics

CAS Number: 64742-47-8
EC Number: 926-141-6
REACH Registration Number: 01-2119456620-43
Index No.: Not applicable.
Specific Concentration Limits: Not assigned.
M factor: Not applicable.
Concentration: 5 - 10%
H Statements: H304
Categories: Asp. Tox. 1

3.2.5 Naphthenic acids, zinc salts

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SECTION 3: Composition/information on ingredients (....)

CAS Number:	12001-85-3
EC Number:	234-409-2
REACH Registration Number:	01-2120783834-41
Index No.:	Not applicable.
Specific Concentration Limits:	Not assigned.
M factor:	Not applicable.
Concentration:	<1%
H Statements:	H317, H319, H411
Categories:	Eye Irrit. 2, Skin Sens. 1B, Aquatic Chronic 2

3.2.6 Highly refined mineral oil

CAS Number:	Various see below
EC Number:	Various see below
REACH Registration Number:	Various see below
Index No.:	Various see below
Specific Concentration Limits:	Not assigned.
M factor:	Not applicable.
Concentration:	10 - 30%
H Statements:	H304
Categories:	Asp. Tox. 1

Base oil may contain one or more of the following: 101316-72-7, 309-877-7, 649-530-00-X, RRN 01-2119489969-06; 64741-88-4, 265-090-8, 649-454-00-7, RRN 01-2119488706-23; 64741-89-5, 265-091-3, 649-455-00-2, RRN 01-2119487067-30; 64741-95-3, 265-096-0, 649-456-00-8, RRN 01-2119487081-40; 64742-01-4, 265-101-6, 649-459-00-4, RRN 01-2119488707-21; 64742-54-7, 265-157-1, 649-467-00-8, RRN 01-2119484627-25; 64742-55-8, 265-158-7, 649-468-00-3, RRN 01-2119487077-29; 64742-56-9, 265-159-2, 649-469-00-9, RRN 01-2119480132-48; 64742-57-0, 265-160-8, 649-470-00-4, RRN 01-2119489287-22; 64741-88-4, 265-090-8, 649-454-00-7, RRN 01-2119488706-23; 64742-62-7, 265-166-0 649-471-00-X, RRN 01-2119480472-38; 64742-65-0, 265-169-7, 649-474-00-6, RRN 01-2119471299-27; 64742-70-7, 265-174-4, 649-477-00-2 RRN 01-2119487080-42; 72623-85-9, 276-736-3, 649-481-00-4, RRN 01-2119555262-43; 72623-86-0, 276-737-9, 649-482-00-x, RRN 01-2119474878-16; 72623-87-1, 276-738-4, 649-483-00-5 RRN 01-2119474889-13; 74869-22-0, 278-012-2, 649-484-00-0 RRN 01-2119495601-36.

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation

If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air, keep warm and at rest in a position comfortable for breathing. If breathing stops provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

4.1.2 Contact with eyes

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the

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SECTION 4: First aid measures (....)

eyeball to ensure thorough rinsing. Check for and remove any contact lenses (if easy to do so). Get medical attention.

4.1.3 Contact with skin

Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water. If skin irritation occurs: Get medical advice/attention.

4.1.4 Ingestion

Rinse mouth thoroughly with water. DO NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

4.2.1 Inhalation

May cause drowsiness or dizziness. Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

4.2.2 Contact with eyes

May cause redness and irritation.

4.2.3 Contact with skin

May cause redness and irritation.
May cause an allergic skin reaction.

4.2.4 Ingestion

May cause gastro-intestinal disturbances.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment should be symptomatic and directed to relieving any effects.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Extinguishing media: carbon dioxide, foams, inert powder.

5.2 Special hazards arising from the substance or mixture

- Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Extremely flammable. Forms explosive mixtures with air.
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders.

5.3 Advice for firefighters

- Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

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SECTION 6: Accidental release measures (....)

6.1 Personal precautions, protective equipment and emergency procedures

- Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

6.2 Environmental precautions

- Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3 Methods and material for containment and cleaning up

- Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb spillage with non-combustible, absorbent material.
- Collect spillage.

6.4 Reference to other sections

- See Section 1 for emergency contact information.
- See Section 5 for firefighting measures.
- See Section 8 for information on appropriate personal protective equipment.
- See Section 12 for environmental precautions.
- See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on naked flame or any incandescent material.
- Do not spray on an open flame or other ignition source.
- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Keep away from oxidisers, heat, flames or ignition sources
- Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C
- Keep away from acids and alkalis.
- Do not pierce or burn, even after use. Extremely flammable.

7.3 Specific end use(s)

- See Section 1

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- If this product contains ingredients with exposure limits, personal and/or workplace atmosphere monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

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SECTION 8: Exposure controls/personal protection (....)

Substances

Chemical Name	WEL (short term)	WEL (long term)
Highly refined mineral oil		5 mg/m ³ (UK) 5 mg/m ³ (IE)
Petroleum gases, liquefied; Petroleum gas, <0.1% 1,3-Butadiene	2180 mg/m ³ (UK) 2250 mg/m ³ (IE)	1750 mg/m ³ (UK) 1800 mg/m ³ (IE)

Substances

Chemical Name	DNEL (Industry; inhalational, long term systemic effects)	DNEL (Industry; dermal, long term systemic effects)	DNEL (Industry; oral, long term systemic effects)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	2035 mg/m ³	733 mg/kg bw/day	- mg/kg bw/day
Hydrocarbons, C6, isoalkanes, <5% n-hexane	5306 mg/m ³	13964 mg/kg bw/day	- mg/kg bw/day
Naphthenic acids, zinc salts	1.18 mg/m ³	3.3 mg/kg bw/day	- mg/kg bw/day

Substances

Chemical Name	DNEL (Consumer; inhalational, long term systemic effects)	DNEL (Consumer; dermal, long term systemic effects)	DNEL (Consumer; oral, long term systemic effects)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	608 mg/m ³	699 mg/kg bw/day	699 mg/kg bw/day
Hydrocarbons, C6, isoalkanes, <5% n-hexane	1131 mg/m ³	1377 mg/kg bw/day	1301 mg/kg bw/day
Naphthenic acids, zinc salts	0.29 mg/m ³	1.7 mg/kg bw/day	0.00017 mg/kg bw/day

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SECTION 8: Exposure controls/personal protection (....)

8.2 Exposure controls

- A full risk assessment should be undertaken before handling this material.
- Engineering Controls:
- Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.
- Personal Protection:
- Do not eat, drink or smoke when using this product.
- Hand Protection:
- Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
- Hygiene Measures:
- Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate hand lotion to prevent defatting and cracking of skin.
- Respiratory Protection:
- If ventilation is inadequate, suitable respiratory protection must be worn.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Aerosol
- Colour: Grey
- Odour: Characteristic odour
- Density: 0.674
- Boiling Point/Range: -41 (-41 TO 300)°C
- Flashpoint: -40°C Pensky-Martens.
- Vapour Pressure: No information available.
- Autoflammability: 225°C
- Lower flammability limit 0.6% (in air)
- Upper flammability limit 9.5% (in air)

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

- Stable under normal temperature conditions and recommended use.

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SECTION 10: Stability and reactivity (....)

- Pressurised container. May burst if heated.

10.2 Chemical stability

- Avoid heat, flames and other sources of ignition.

10.3 Possibility of hazardous reactions

- None known.

10.4 Conditions to avoid

- Avoid ignition sources. Heat. Sparks. Open flame. Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

- None known.

10.6 Hazardous decomposition products

- None under normal processing.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

- No experimental data available.

Substances

Chemical Name	LC ₅₀ (inhalation, rat)	LD ₅₀ (dermal, rabbit)	LD ₅₀ (oral, rat)
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics	4.95 mg/l	>5000 mg/kg	>5000 mg/kg
Hydrocarbons, C6, isoalkanes, <5% n-hexane	>259 mg/l	>3350 mg/kg	>16750 mg/kg

11.1.1 Inhalation

May cause drowsiness or dizziness. Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

11.1.2 Contact with eyes

May cause redness and irritation.

11.1.3 Contact with skin

May cause redness and irritation.
May cause an allergic skin reaction.

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SECTION 11: Toxicological information (....)**11.1.4 Ingestion**

May cause gastro-intestinal disturbances.

11.2 Information on other hazards

- May cause irregular pulse.

SECTION 12: Ecological information**12.1 Toxicity**

- No experimental data available.

Substances

Chemical Name	EC ₅₀ (daphnia)	LC ₅₀ (fish)	IC ₅₀ (algae)
Naphthenic acids, zinc salts	35 mg/l (48hr)	>100 mg/l (96 hr)	4 mg/l (72hr)
Hydrocarbons, C6, isoalkanes, <5% n-hexane	31.9 mg/l (48hr)	18.27 mg/l (96 hr)	13.56 mg/l (72hr)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	3 mg/l (48hr)	11.4 mg/l (96 hr)	10 mg/l (72hr)

12.2 Persistence and degradability

- No experimental data available.

12.3 Bioaccumulative potential

- No experimental data available.

12.4 Mobility in soil

- No experimental data available.

12.5 Results of PBT and vPvB assessment

- This product does not contain any PBT or vPvB substances.

12.6 Endocrine disrupting properties

- Not applicable.

12.7 Other adverse effects

- No information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

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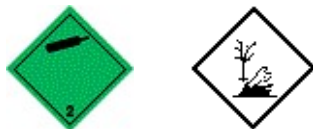
SECTION 13: Disposal considerations (....)

- Do not pierce or burn even after use.
- Dispose of in compliance with all local and national regulations.
- Where possible, arrange for product to be recycled.

13.2 Classification

- For classification and assessment of waste, refer to technical guidance WM3 (Appendix A) or EWC (European Waste Catalogue) codes for hazardous and non-hazardous waste, where appropriate.

SECTION 14: Transport information



14.1 UN number or ID number

- UN No.: 1950

14.2 UN proper shipping name

- Proper Shipping Name: AEROSOLS

14.3 Transport hazard class(es)

- Hazard Class: 2

14.4 Packing group

- Packing Group: Not applicable.

14.5 Environmental hazards

- Marine Pollutant
- Environmentally hazardous.

14.6 Special precautions for user

- EmS: F-D, S-U
- ADR transport category: 2
- Tunnel Code: (D)

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).
- Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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SECTION 15: Regulatory information (....)

- Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H220: Extremely flammable gas. H225: Highly flammable liquid and vapour. H280: Contains gas under pressure; may explode if heated. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.

Disclaimer

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process