

SAFETY DATA SHEET



Aspen Bio Chain Oil

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

| | |
|-------------|------------|
| Date issued | 23.01.2018 |
|-------------|------------|

1.1. Product identifier

| | |
|--------------|---------------------|
| Product name | Aspen Bio Chain Oil |
|--------------|---------------------|

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

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|--|--|
| Function | Description: Saw chain oil Description: Lubricant |
| Relevant identified uses | SU1 Agriculture, forestry, fishery PC24 Lubricants, greases, release products |
| The chemical can be used by the general public | Yes |

1.3. Details of the supplier of the safety data sheet

Distributor

| | |
|------------------|--|
| Company name | Anglo American Oil Company Ltd |
| Office address | 58 Holton Road |
| Postal address | Holton Heath Trading Park |
| Postcode | BH16 6LT |
| City | Poole |
| Country | United Kingdom |
| Telephone number | +44 1929 551557 |
| Fax | +44 1929 551567 |
| Email | anders@aaoil.co.uk |
| Website | www.aaoil.co.uk |

Manufacturer

| | |
|--------------|---------------------|
| Company name | Lantmännen Aspen AB |
|--------------|---------------------|

| | |
|------------------|---|
| Postal address | Iberovägen 2 |
| Postcode | SE-438 54 |
| City | Hindås |
| Country | Sweden |
| Telephone number | +46 (0)301-23 00 00 |
| Email | info@aspen.se |
| Website | http://www.aspenfuels.com/ |
| Contact person | Pontus Kristensson, +46 (0)708-23 50 20 |

1.4. Emergency telephone number

| | |
|---------------------|--|
| Emergency telephone | Telephone number: 01-8092566 Description: National Poisons Information Centre |
|---------------------|--|

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

| | |
|------------------------------|---|
| CLP classification, comments | Not regarded as a health or environmental hazard under current legislation. |
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2.2. Label elements

2.3. Other hazards

| | |
|---------------|--|
| Other hazards | Keep out of reach of children. Prolonged contact may cause dryness of the skin. |
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

| Substance | Identification | Classification | Contents |
|--------------------|--|----------------|-----------|
| Vegetable oil | CAS No.: 68956-68-3 EC No.: 273-313-5 | | 90 – 95 % |
| Substance comments | Contains additives | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|--|
| Inhalation | Move the exposed person to fresh air at once. |
| Skin contact | Remove contaminated clothing. Wash skin with soap and water. |
| Eye contact | Rinse cautiously with water for several minutes. |
| Ingestion | If swallowed, rinse mouth with water (only if the person is conscious). DO NOT INDUCE VOMITING! Drink plenty of water. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|------------------------------|---|
| General symptoms and effects | Treat Symptomatically. |
| Acute symptoms and effects | May cause minor irritation on eye contact. |
| Delayed symptoms and effects | Repeated exposure may cause skin dryness or cracking. |

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|-------------------|--------------------------|
| Other information | No recommendation given. |
|-------------------|--------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | Foam, carbon dioxide or dry powder. |
| Improper extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

5.2. Special hazards arising from the substance or mixture

| | |
|-------------------------------|--|
| Fire and explosion hazards | Eliminate all sources of ignition. |
| Hazardous combustion products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |

5.3. Advice for firefighters

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| Fire fighting procedures | Water spray should be used to cool containers. |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| Personal protection measures | Risk of contact: Wear protective gloves and goggles/face shield. |
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6.2. Environmental precautions

| | |
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| Environmental precautionary measures | Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately. |
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6.3. Methods and material for containment and cleaning up

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|----------|---|
| Clean up | Absorb in vermiculite, dry sand or earth and place into containers. |
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6.4. Reference to other sections

| | |
|------------------------|--|
| Additional information | For personal protection, see section 8. For waste disposal, see section 13. |
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective safety measures

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|----------------------------|---|
| Protective safety measures | Do not breathe gas/fumes/vapour/spray. Wear suitable protective clothing. Avoid prolonged skin contact. |
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7.2. Conditions for safe storage, including any incompatibilities

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|---------|---|
| Storage | Store in tightly closed original container. |
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7.3. Specific end use(s)

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|-----------------|---|
| Specific use(s) | The identified uses for this product are detailed in Section 1.2. |
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Eye / face protection

| | |
|--------------------------|--|
| Eye protection, comments | Wear approved, tight fitting safety glasses where splashing is probable. |
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Hand protection

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|--|-------------------------------|
| Skin- / hand protection, long term contact | Avoid prolonged skin contact. |
| Suitable materials | Nitril. PVC. |

Skin protection

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|------------------------|--|
| Skin protection remark | Wear appropriate clothing to prevent any possibility of skin contact. Remove contaminated clothing. |
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Respiratory protection

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|----------------------------------|---|
| Respiratory protection, comments | Do not breathe gas/fumes/vapour/spray. Ventilate well. |
|----------------------------------|---|

Appropriate environmental exposure control

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|---|-------------------------|
| Environmental exposure controls, comments | No special precautions. |
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
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| Physical state | Viscous liquid. |
| Colour | Light brown. |

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|-------------|---|
| Flash point | Value: 215 °C Method: ASTM D92 |
| Density | Value: 920 kg/m ³ Temperature: 15 °C |
| Solubility | Medium: Water Comments: Insoluble in water. |
| Viscosity | Value: 71 mm ² /s Temperature: 40 °C Value: 16.5 mm ² /s Temperature: 100 °C |

9.2. Other information

| | |
|----------------------|-----------------|
| Solidification point | Value: < -39 °C |
|----------------------|-----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|--------------------------------------|
| Reactivity | Avoid contact with strong oxidisers. |
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10.2. Chemical stability

| | |
|-----------|---|
| Stability | Stable under normal temperature conditions and recommended use. |
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10.3. Possibility of hazardous reactions

| | |
|------------------------------------|--------------------------|
| Possibility of hazardous reactions | No recommendation given. |
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10.4. Conditions to avoid

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|---------------------|--------------------------|
| Conditions to avoid | No recommendation given. |
|---------------------|--------------------------|

10.5. Incompatible materials

| | |
|--------------------|--------------------------------------|
| Materials to avoid | Avoid contact with oxidising agents. |
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10.6. Hazardous decomposition products

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|----------------------------------|--|
| Hazardous decomposition products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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| Acute toxicity | Comments: No information. |
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Other information regarding health hazards

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|------------|--|
| Inhalation | Thermal decomposition or combustion may liberate carbon oxides and other toxic |
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|--------------|--|
| | gases or vapours. May cause irritation to the respiratory system. |
| Skin contact | Prolonged or repeated contact leads to drying of skin. |
| Eye contact | May cause minor irritation on eye contact. |
| Ingestion | No specific health warnings noted. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------|-----------------|
| Ecotoxicity | No information. |
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12.2. Persistence and degradability

| | |
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| Persistence and degradability description | The product is potentially degradable. |
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12.3. Bioaccumulative potential

| | |
|---------------------------|-----------------|
| Bioaccumulative potential | No information. |
|---------------------------|-----------------|

12.4. Mobility in soil

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|----------|-----------------|
| Mobility | No information. |
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12.5. Results of PBT and vPvB assessment

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|------------------------|---|
| PBT assessment results | This product does not contain any PBT or vPvB substances. |
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12.6. Other adverse effects

| | |
|---------------------------------|-------------|
| Other adverse effects, comments | None known. |
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

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|----------------|---|
| EWC waste code | EWC waste code: 130207 readily biodegradable engine, gear and lubricating oils Classified as hazardous waste: Yes |
| EWL packing | EWC waste code: 150102 plasticpackaging Classified as hazardous waste: No EWC waste code: 150104 metallicpackaging Classified as hazardous waste: No |

SECTION 14: Transport information

14.1. UN number

| | |
|----------|---------------|
| Comments | Not relevant. |
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14.2. UN proper shipping name

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|----------|---------------|
| Comments | Not relevant. |
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14.3. Transport hazard class(es)

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| Comments | Not relevant. |
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14.4. Packing group

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| Comments | Not relevant. |
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14.5. Environmental hazards

| | |
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| Comments | Not relevant. |
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14.6. Special precautions for user

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|-------------------------------------|--------------|
| Special safety precautions for user | Not entered. |
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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| Transport in bulk (yes/no) | No |
|----------------------------|----|

Additional information

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|------------------------|--------------|
| Additional information | Not entered. |
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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

| | |
|-----------------------------|---|
| Legislation and regulations | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Avfallsförordningen (2011:927). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. |
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15.2. Chemical safety assessment

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|--------------------------------------|----|
| Chemical safety assessment performed | No |
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SECTION 16: Other information

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| Supplier's notes | The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the |
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| | application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user. |
| Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] | |
| Version | 1 |
| Prepared by | Lantmännen Aspen AB |