

SAFETY DATA SHEET



Aspen Bio Chain Oil

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

1.1. Product identifier

Product name	Aspen Bio Chain Oil
Article no.	USA

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

Function	Description: Saw chain oil Description: Lubricant
Relevant identified uses	SU1 Agriculture, forestry, fishery SU21 Consumer uses: Private households (= general public = consumers) SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC24 Lubricants, greases, release products PROC17 Lubrication at high energy conditions and in partly open process PROC18 Greasing/ lubrication under high energy conditions AC03 Machinery and related mechanical appliances
Restriction of use	Others then listed above - see Function

1.3. Details of the supplier of the safety data sheet

Importer

Company name	Aspen USA Inc.
Postal address	410 N Michigan Ave, Suite 720
Postcode	60611
City	Chicago, IL
Country	USA
Telephone number	312-283-7347
Email	aspensds@lantmannen.com
Website	http://www.aspenfuels.us/

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, (08:00-16.30 CET)
Email	aspensds@lantmannen.com
Website	http://www.aspenfuels.com/

1.4. Emergency telephone number

Emergency telephone	Telephone number: 1-800-424-9300 / +1 703-527-3887 Description: For emergencies only. Call CHEMTREC.
Identification, comments	In an emergency situation always contact 911 Emergency Services first.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Additional information on classification	The mixture is classified as non-dangerous according to CLP (EU), consistent with US OSHA HCS 2012 (29 CFR 1910.1200).
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2.2. Label elements

Supplemental label information	See SDS for further information. Container is not intended for refill.
Tactile warnings	No
Child-protection	No

2.3. Other hazards

Other hazards	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	Notes
Vegetable oil (US)	CAS No.: 68956-68-3		90 -95	2

²Substance with a workplace exposure limit

Description of the mixture	Contains additives that, due to concentration and classification, need not be stated here. Contains no dangerous substances above 0,1%.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air at once. Get medical advice/attention if you feel unwell.
Skin contact	Remove contaminated clothing. Wash skin with soap and water.

Eye contact	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). DO NOT INDUCE VOMITING! Get medical advice/attention if you feel unwell.

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

Acute symptoms and effects	In case of overheating, smoke and fumes appear irritating to the upper respiratory tract and lungs. 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

Medical treatment	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Flash Point	419 °F (215 °C),
NFPA, class	IIIB
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

Personal protective equipment	Use personal protective equipment as required.
Fire fighting procedures	Water spray should be used to cool containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

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

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.
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For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective safety measures

Protective safety measures

Do not breathe gas/fumes/vapour/spray.
Wear suitable protective clothing.
Avoid prolonged skin contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in tightly closed original container. Keep out of reach of children.

7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Vegetable oil (US)	CAS No.: 68956-68-3	Country of origin: US Limit value type: PEL Limit value (8 h) : 15 mg/m ³ Limit value (8 h) : 5 mg/m ³ Exposure limit letter Letter code: Total dust / respirable fraction Source: OSHA PEL. Country of origin: US Limit value type: PEL Limit value (8 h) : 10 mg/m ³ Limit value (8 h) : 5 mg/m ³ Exposure limit letter Letter code: total / resp Source: NIOSH REL Country of origin: US Limit value type: PEL Limit value (8 h) : 10 mg/m ³ Limit value (8 h) : 5 mg/m ³ Exposure limit letter Letter code: Total dust / respirable fraction Source: CAL/OSHA PEL.	
Control parameters comments	Not applicable.		

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

Skin- / hand protection, long term contact	Avoid prolonged skin contact.
Suitable materials	Nitrile. Polyvinyl chloride (PVC).

Skin protection

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

Respiratory protection, comments	Do not breathe gas/fumes/vapour/spray. Ventilate well.
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Appropriate environmental exposure control

Environmental exposure controls, comments	Prevent discharge into drains.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous liquid.
Colour	Light brown.
Flash point	Value: 419 °F (215 °C) Method: ASTM D92
Density	Value: 920 kg/m ³ Temperature: 59 °F (15 °C)
Solubility	Medium: Water Comments: Insoluble in water. Soluble in organic solvent.
Viscosity	Value: 71 mm ² /s Temperature: 104 °F (40 °C) Value: 16.5 mm ² /s Temperature: 202 °F (100 °C)

9.2. Other information

Solidification point	Value: < -38 °F (< -39 °C)
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No specific reactivity hazards associated with this product.
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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	Under normal condition of storage and use, no hazardous reactions will occur.
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10.4. Conditions to avoid

Conditions to avoid	No recommendation given.
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10.5. Incompatible materials

Materials to avoid	Strong oxidizing substances.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products are known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other information regarding health hazards

Acute toxicity, human experience	Based on available data the classification criteria are not met.
Skin corrosion / irritation, other information	Based on available data the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.
Eye damage or irritation other information	Based on available data the classification criteria are not met. Slight irritation may occur in case of eye contact.
Assessment of respiratory sensitisation, classification	Based on available data the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data the classification criteria are not met.
Inhalation	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.
Sensitisation	Based on available data the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	Based on available data the classification criteria are not met.

Assessment of specific target organ toxicity - repeated exposure, classification	Based on available data the classification criteria are not met.
Aspiration hazard, comments	Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	No information.
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12.2. Persistence and degradability

Persistence and degradability description/evaluation	Readily biodegradable.
Biodegradability	Method: CEC L33-A-93

12.3. Bioaccumulative potential

Bioaccumulation, comments	No data available.
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12.4. Mobility in soil

Mobility	The product is insoluble in water and is not considered to mobile in soil.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
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12.6. Other adverse effects

Additional ecological information	None known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Collect spillage.
Appropriate methods of disposal for the contaminated packaging	If container is completely emptied, well-vented and free from product residues that can pose hazardous properties – the following EWC codes can be used depending on package material: 15 01 02 plastic packaging, 15 01 04 metallic packaging.
EWC waste code	EWC waste code: 13 02 07 readily biodegradable engine, gear and lubricating oils Classified as hazardous waste: If contaminated / used oil; Yes, otherwise No
EWC packing	EWC waste code: 15 01 02 plasticpackaging Classified as hazardous waste: No EWC waste code: 15 01 04 metallicpackaging Classified as hazardous waste: No

National regulations	Resource Conservation and Recovery Act (RCRA)
National waste group	Depending on hazardous properties and use the waste shall be identified acc. to 40 CFR part 261. If contaminated / used oil; hazardous waste, otherwise not.
Other information	The packaging must be empty (drop-free, when inverted).

SECTION 14: Transport information

Dangerous goods	No
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14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

SECTION 15: Regulatory information

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

National regulations	The mixture is not classified as hazardous in accordance to U.S OSHA HCS 2012, (29 CFR 1910.1200). The mixture is not classified as hazardous in accordance to Canadian WHMIS 2015, Hazardous Products Regulations (HPR).
Legislation and regulations	The Safety Data Sheet conforms to U.S OSHA HCS 2012, (29 CFR 1910.1200) and Canadian WHMIS 2015, Hazardous Products Regulations (HPR).
Chemical Inventory List's	
U.S. TSCA Inventory	All of the components are listed in TSCA Inventory.
Domestic Substances List	All of the components are listed in DSL.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No

SECTION 16: Other information

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 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.
Key literature references and sources for data	Legislation, databases and literature. Supplier's Safety Data Sheet.

Prepared by	Lantmännen Aspen AB
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