

SAFETY DATA SHEET



Aspen 2-stroke 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	17.07.2018
Revision date	10.07.2018

1.1. Product identifier

Product name	Aspen 2-stroke oil
Synonyms	Aspen 2-takts olja
Article no.	UK
No requirement for SDS	Not regarded as a health or environmental hazard under current legislation.

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

Use of the substance / preparation	Engine oil. Two-stroke oil for mixing in fuel for air cooled engines.
Relevant identified uses	SU1 Agriculture, forestry, fishery SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC13 Fuels 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	Lantmännen Aspen AB
Postal address	Iberovägen 2
Postcode	SE-438 54
City	Hindås
Country	Sweden
Telephone number	+46 (0)301-23 00 00, (08:00-17:00 CET)
Email	aspensds@lantmannen.com
Website	http://www.aspenfuels.com/

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: SOS
	Telephone number: 0845 46 47 (England Wales) 08454 24 24 24 (Scotland) Description: NHS - Emergency medical conditions.
	Telephone number: 111 Description: NHS - National Poisons Information Service

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Substance / mixture hazardous properties	Not regarded as a health or environmental hazard under current legislation. Not relevant at normal room temperatures. When heated, harmful vapours may be formed.
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2.2. Label elements

Supplemental label information	EUH 066 Repeated exposure may cause skin dryness or cracking.
Tactile warnings	No
Child-protection	No

2.3. Other hazards

Health effect	Not relevant at normal room temperatures. When heated, harmful vapours may be formed.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Hydrocarbons C11-C14 (UK)	CAS No.: 64742-47-8 REACH Reg. No.: 01-2119456620-43-XXXX	Asp. tox. 1; H304 EUH 066	25 - 50 %
Polyolefin polyamine succinamid	EC No.: 617-593-2	Aquatic Chronic 4; H413	1 - 3 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Treat Symptomatically.
Inhalation	Fresh air and rest.
Skin contact	Remove contaminated clothing. Wash skin with soap and water.
Eye contact	Rinse cautiously with water for several minutes.
Ingestion	DO NOT induce vomiting if swallowed chemical is dissolved in petroleum-based

material. Danger of aspiration and development of chemical pneumonia.

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

General symptoms and effects	Treat Symptomatically.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Do NOT induce vomiting. Do not treat with resorption stimulating drugs.
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Medical monitoring for delayed effects	No recommendation given.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
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Improper extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Carbon monoxide (CO). Sulphurous gases (SO _x). Nitrous gases (NO _x).
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5.3. Advice for firefighters

Personal protective equipment	No recommendation given.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Spilled product leads to risk of slipping and falling.
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6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material. Contact local authorities in case of spillage to drain/aquatic environment.
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6.3. Methods and material for containment and cleaning up

Containment	Smaller quantities of residue may be collected by an absorbent.
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6.4. Reference to other sections

Other instructions	No recommendation given.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Use work methods which minimize oil mist production. Risk of vapour concentration on the floor and in low-lying areas. Provide good ventilation.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	No special storage precautions noted.
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Conditions for safe storage

Technical measures and storage conditions	No special precautions.
Additional information on storage conditions	Keep cool.

7.3. Specific end use(s)

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

Substance	Identification	Value	TWA Year
Hydrocarbons C11-C14 (UK)	CAS No.: 64742-47-8	Country of origin: UK TWA (8h) : 5 mg/m ³ OEL short term value Value: 10 mg/m ³ Source: GESTIS International Limit Values Institute for Occupational Health and Safety, DGUV Sankt Augustine, Germany Comments: The UK Advisory Committee on Toxic Substances has expressed concern that, for the OELs shown in parentheses, health may not be adequately protected because of doubts that the limit was not soundly-based. These OELs were included in the published UK 2002 list and its 2003 supplement, but are omitted from the published 2005 list.	

8.2. Exposure controls

Precautionary measures to prevent exposure

Appropriate engineering controls	Well-ventilated area.
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Eye / face protection

Suitable eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable.
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Hand protection

Skin- / hand protection, long term contact	For prolonged or repeated skin contact use suitable protective gloves.
Suitable gloves type	EN 374 Level 3 Control G1
Suitable materials	Nitrile. Viton rubber (fluor rubber).
Breakthrough time	Value: > 60 minute(s)
Thickness of glove material	Value: ≥ 0.4 mm

Skin protection

Additional skin protection measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
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Respiratory protection

Respiratory protection necessary at	Under normal conditions of use respiration protection should not be required. Respiratory protection must be used if air contamination exceeds acceptable level.
Recommended type of equipment	A2. A2/P2. ABEK Chemical respirator with organic vapour cartridge.
Additional respiratory protection measures	All handling to take place in well-ventilated area.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous liquid.
Colour	Red brown.
Odour	Oil smell.
Boiling point / boiling range	Value: > 90 °C Method: DIN EN ISO 3405
Flash point	Value: > 95 °C Comments: COC
Lower explosion limit with unit of measurement	Value: 0.5 vol%
Upper explosion limit with units of measurement	Value: 6.5 vol%
Vapour pressure	Value: 1 hPa Temperature: = 20 °C
Specific gravity	Value: 871 kg/m ³ Method: ASTM D 4052
Solubility	Comments: Easily soluble in organic solvents. Not soluble in water.
Spontaneous combustability	Value: 210 °C

Viscosity	Value: 40 mm ² /s
	Method: DIN 51562-1 Temperature: = 40 °C
	Value: 8 mm ² /s
	Temperature: 100 °C

9.2. Other information

Physical hazards

Content of VOC	Value: 27 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	No particular stability concerns.
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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

Conditions to avoid	No recommendation given.
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10.5. Incompatible materials

Materials to avoid	None in particular.
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10.6. Hazardous decomposition products

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

11.1. Information on toxicological effects

Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: > 2000 mg/kg Species: Rat
Substance	Hydrocarbons C11-C14 (UK)
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: 5000 mg/kg

	Animal test species: Rat
	Effect tested: NOAEL
	Route of exposure: Oral
	Value: 1000 - 5000 mg/kg bw /d
	Animal test species: Rat
	Effect tested: LD50
	Route of exposure: Dermal
	Value: 2000 mg/kg
	Animal test species: Rabbit
	Effect tested: LC50
	Route of exposure: Inhalation.
	Value: 5.28 ml/l
	Animal test species: Rat
	Comments: 4 h
	Effect tested: NOAEL
	Route of exposure: Inhalation.
	Value: 200 ppm
	Animal test species: Rat
	Effect tested: NOEC
	Route of exposure: Inhalation.
	Value: 275 -10400 mg/m ³
	Animal test species: Rat

Other information regarding health hazards

Sensitisation	Not Sensitising.
Aspiration hazard due to hydrocarbon content, comments	Not relevant at normal room temperatures. When heated, harmful vapours may be formed.
Assessment of aspiration hazard, classification	Pneumonia may be the result if vomited material containing solvents reaches the lungs.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Hydrocarbons C11-C14 (UK)
Acute aquatic, fish	Value: 2 - 5 mg/l
	Effect dose concentration : LL50
	Test duration: 96 hour(s)
	Value: 2 -5 mg/l
	Effect dose concentration : LL50
	Test duration: 48 hour(s)
	Value: 5 -17 mg/l
	Effect dose concentration : LL50
	Test duration: 24 hour(s)
Substance	Hydrocarbons C11-C14 (UK)

Acute aquatic, algae	Value: 1 - 3 mg/l Effect dose concentration : EL50 Test duration: 48 hour(s) Species: algae/ cyanobacteria
	Value: 1 -3 mg/l Effect dose concentration : EL50 Test duration: 72 hour(s) Species: algae/ cyanobacteria
	Value: 1000 mg/l Effect dose concentration : NOEL Test duration: 72 hour(s) Species: algae/ cyanobacteria
Substance	Hydrocarbons C11-C14 (UK)
Acute aquatic, Daphnia	Value: 1.4 mg/l Effect dose concentration : EL50 Test duration: 48h
	Value: 4.6 mg/l Effect dose concentration : EL50 Test duration: 24 hour(s)
	Value: 0.81 -0.89 mg/l Effect dose concentration : EL50 Test duration: 21 day(s)
	Value: 1.22 mg/l Effect dose concentration : NOEL Test duration: 21 day(s)
Ecotoxicity	Not classified as dangerous to the environment. However, the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

12.2. Persistence and degradability

Persistence and degradability description	Not entered.
Persistence and degradability, comments	The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Not determined.
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12.4. Mobility in soil

Mobility	Not determined.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Other adverse effects

Other adverse effects, comments	Water hazard classification : 1 (WGK).
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Make sure containers are empty before discarding (explosion risk).
EWC waste code	EWC waste code: 130206 Synthetic engine, gear and lubricating oils Classified as hazardous waste: Yes
EWL packing	EWC waste code: 150110 packaging containing residues of or contaminated by dangerous substances Classified as hazardous waste: Yes
National regulations	SFS 2018:514

SECTION 14: Transport information

Dangerous goods	No
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14.1. UN number

Comments	Not relevant.
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14.2. UN proper shipping name

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

Comments	Not relevant.
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14.4. Packing group

Comments	Not relevant.
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14.5. Environmental hazards

Comments	No recommendation given.
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14.6. Special precautions for user

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

Additional information

Additional information	Not relevant.
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SECTION 15: Regulatory information

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

Restriction of chemicals according to Annex XVII (REACH)	None.
References (laws/regulations)	<p>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.</p> <p>Dangerous Preparations Directive 1999/45/EC.</p> <p>EH40/2005, Workplace exposure limits 2005, with amendments.</p> <p>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.</p> <p>Kemiska arbetsmiljörisker, AFS 2011: 19. Arbetsmiljöverkets föreskrifter och allmänna råd om kemiska arbetsmiljörisker.</p> <p>Avfallsförordning SFS 2018:514</p> <p>Directive 2008/98 / EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain directives.</p>

15.2. Chemical safety assessment

Chemical safety assessment performed	No
Exposure scenarios for mixture	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.
List of relevant H-phrases (Section 2 and 3)	<p>EUH 066 Repeated exposure may cause skin dryness or cracking.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H413 May cause long lasting harmful effects to aquatic life.</p>
Key literature references and sources for data	ECHA CLP Inventory, https://www.echa.europa.eu/sv/information-on-chemicals/cl-inventory-database
Information added, deleted or revised	Change to Sections: 3, 8, 11, 12, 13. Re-formulation. No change in classification.
Version	1
Prepared by	Lantmännen Aspen AB

URL for technical data

<http://www.aspen.se>