

Aspen 4-Stroke Engine Oil 10W-40

12.11.2020

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Aspen 4-Stroke Engine Oil 10W-40

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

Motor oil

1.3 Details of the supplier of the safety data sheet

Supplier	Lantmännen Aspen AB
	Iberovägen 2
	438 54 Hindås, Sweden
	Telephone +46 (0)301-23 00 00
	E-mail info@aspen.se

1.4 Emergency telephone number

In emergency situations, contact National Poisons Information Service, NHS 111 or a doctor.

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product does not meet the criteria for classification according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

EUH210. Safety data sheet available on request.

2.3 Other hazards

Repeated exposure may cause skin dryness.

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SECTION 3. COMPOSITION/INFORMATION OM INGREDIENTS

3.2 Mixtures

Classification according to Regulation (EC) No 1272/2008 [CLP]

Name	EC no.	CAS no.	REACH reg no.	% (w/w)	Hazard statements
Distillates (petroleum), solvent-dewaxed heavy paraffinic*	265-169-7	64742-65-0	01-2119471299-27	≥ 75	-
Distillates (petroleum), hydrotreated heavy paraffinic*	265-157-1	64742-54-7	01-2119484627-25	2,5-10	-
Distillates (petroleum), hydrotreated light paraffinic*	265-158-7	64742-55-8	01-2119487077-29	2,5-5	Asp Tox. 1, H304
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	283-392-8	84605-29-8	01-2119493626-26	0,5- <2,5	Skin Irrit. 2, H315 Eye dam 1, H318 Aquatic chronic 2, H411 SCL ¹ : 15 ≤C ≤ 100, Skin Irrit. 2, H315 15 ≤C < 20, Eye Irrit. 2, H319 20 <C ≤ 100, Eye Dam. 1, H318
Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50	701-251-5	-	01-2119524004-56	0,5- 2,5	Aquatic Chronic 4, H413

*Contains less than 3% DMSO extract and is therefore not classified as carcinogenic.

1) SCL = Specific concentration limit, from supplier

Other information

For a full text of hazard statements: see Section 16

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SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

After inhalation: Fresh air and rest. If difficulties in breathing get medical advice.
After eye contact: Rinse the eyes gently with water. If symptoms persist consult a doctor.
After skin contact: Take off contaminated clothing. Wash skin with soap and water.
After ingestion: Rinse mouth and drink water. Do **not** induce vomiting. Contact a doctor if experiencing symptoms.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: In case of overheating, smoke and fumes appear irritating to the upper respiratory tract and lungs.
Eye: May cause mild eye irritation.
Skin: Repeated and prolonged contact may appear dehydrating on the skin and cause redness, skin cracking and eczema (dermatitis).
Ingestion: Small amounts are not expected to produce any acute or delayed symptoms. Large amounts may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Can be extinguished using dry powder, foam or carbon dioxide.
Unsuitable extinguishing media: Do not use direct water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire, toxic and corrosive gases may develop.

5.3 Advice for firefighters

Precautions according to the standard procedure for chemical fires. Use water to **only** to cool down containers that are exposed to fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with eyes and skin.

6.2 Environmental precautions

Do not allow discharge to enter sewers, watercourses or the ground.

6.3 Methods and material for containment and cleaning up

Contain/absorb spillages with suitable absorbent material such as sand or active clay.

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6.4 Reference to other sections

See Section 8 for Exposure controls / personal protection and Section 13 for disposal considerations.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid prolonged or repeated contact with skin.
Avoid inhalation of vapours, mist or fumes.
Do not reuse soiled clothing unless laundered.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container. Store in a well-ventilated place, at temperatures $\leq 45^{\circ}\text{C}$. Containers must be kept tightly closed and sealed. Keep out of reach of children.

7.3 Specific end use

See Section 1.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits according to National regulations

Contains no substances with occupational exposure limits in the workplace. This information refers to Great Britain.¹ For other countries, refer to national legislation.

¹For Great Britain see: Health and Safety Executive EH40/2005 Workplace exposure limits (forth edition, published 2020). Published by the Health and Safety Executive. OELs for oil mist have been omitted from the published 2018 list.

8.2 Exposure controls

Appropriate technical measures

Ensure adequate ventilation.

Personal protection

Respiratory protection:	Usually not needed.
Eye/face protection:	Wear eye protection (safety glasses with side shields or full face shield) when risk of splashing.
Skin protection:	Wear protective gloves (nitrile, neoprene or PVC) and protective clothing. Nitrile, neoprene: permeation > 240 minutes, thickness 0,7 mm, penetration 3, EN ISO 374 PVC: permeation > 30 minutes, thickness 0,4 mm, penetration 3, EN ISO 374

Environmental exposure control

Prevent discharges into drains.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Brown oily liquid
Odour:	Characteristic
Odour threshold:	No information
pH:	Not applicable
Melting point / freezing point:	-36 °C
Initial boiling point and boiling range:	Not available
Flash point:	>201 °C
Evaporation rate:	Not available
Flammability (solid, gas):	Not relevant
Upper / lower flammability or explosive limits:	No information
Vapour pressure:	Not available
Vapour density:	Not available
Density:	866,1 kg/m ³ (15 °C)
Solubility in water:	Insoluble
Solubility in organic solvents	No information
Partition coefficient, n-octanol/water:	Not available
Decomposition temperature:	No information
Auto-ignition temperature:	No information
Viscosity, kinematic:	88 mm ² /s (40 °C)
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

9.2 Other information

None.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is not reactive under normal conditions.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None specific.

10.5 Incompatible materials

The product may react with strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11. TOXIKOLOGICAL INFORMATION

11.1 Information on toxikological effects**Acute toxicity**

Not considered to be acutely toxic.

Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD ₅₀ Oral Rat: > 5000 mg/kg LD ₅₀ Dermal Rabbit: > 5000 mg/kg LC ₅₀ Inhalation Rat: > 5,53 mg/L/4h
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Distillates (petroleum), hydrotreated heavy paraffinic	LD ₅₀ Oral Rat: > 5000 mg/kg LD ₅₀ Dermal Rabbit: > 5000 mg/kg LC ₅₀ Inhalation Rat: > 5,53 mg/L/4h
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Distillates (petroleum), hydrotreated light paraffinic	LD ₅₀ Oral Rat: > 5000 mg/kg LD ₅₀ Dermal Rabbit: > 5000 mg/kg
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Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	LD ₅₀ Oral Rat: 3100 mg/kg LD ₅₀ Dermal Rat: > 2002 mg/kg LC ₅₀ Inhalation Rat: 2,3 mg/L/4h
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Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50	LD ₅₀ Oral Rat: > 5000 mg/kg LD ₅₀ Dermal Rabbit: > 2000 mg/kg
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Corrosive / irritating on the skin

Repeated and prolonged contact may appear dehydrating on the skin and cause redness, skin cracking and eczema (dermatitis).

Serious eye damage / irritation

May cause mild eye irritation.

Respiratory / skin sensitization

Not considered sensitizing.

Germ cell mutagenicity

It is considered not to cause mutations in germ cells.

Carcinogenicity

Not considered to be carcinogenic.

Toxic to reproduction

Not considered to be toxic to reproduction.

Specific organ toxicity-single exposure

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

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Specific organ toxicity-repeated exposure

No information available.

Aspiration Hazard

Not classified as hazardous when inhaled based on the viscosity of the product and content of relevant substances.

SECTION 12. ECOLOGICAL INFORMATION

The product is not classified as hazardous to the environment.

12.1 Toxicity

Distillates (petroleum), solvent-dewaxed heavy paraffinic	LC ₅₀ Fish: 100 mg/L EC ₅₀ Daphnia: 10 000 mg/L IC ₅₀ Algae 72 h: 3 mg/L
Distillates (petroleum), hydrotreated heavy paraffinic	LC ₅₀ Fish: > 100 mg/L (Pimephales promelas) EC ₅₀ Daphnia: > 10 000 mg/L (Daphnia magna)
Distillates (petroleum), hydrotreated light paraffinic	LC ₅₀ Fish: > 100 mg/L (Pimephales promelas) EC ₅₀ Daphnia: > 10 000 mg/L (Daphnia magna)
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	LC ₅₀ Fish: 4,5 mg/L (Oncorhynchus mykiss) EC ₅₀ Daphnia: 23 mg/L ((Daphnia magna) IC ₅₀ Algae 72 h: 24 mg/L (Desmodesmus subspicatus)
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12.2 Persistence and degradability

The product is not readily biodegradable.

Distillates (petroleum), solvent-dewaxed heavy paraffinic	Biodegradable: 31 % 28 d, OECD 301F Not readily biodegradable
Distillates (petroleum), hydrotreated heavy paraffinic	Biodegradable: 31 % 28 d, OECD 301F Not readily biodegradable
Distillates (petroleum), hydrotreated light paraffinic	Biodegradable: 31 % 28 d, OECD TG 301F Not readily biodegradable
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	Biodegradable: 1,5 % 28 d, OECD 301B Not readily biodegradable

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Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50

Biodegradable: 13,4 % 28 d, OECD 301B
Not readily biodegradable

12.3 Bioaccumulative potential

The product contains substance which are bioaccumulative.

Distillates (petroleum), solvent-dewaxed heavy paraffinic

BCF = 260
Log Pow = 9,2
Bioaccumulative

Distillates (petroleum), hydrotreated heavy paraffinic

Log Pow = 4
Bioaccumulative

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

Log Pow = 0,56

Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligomerization, carbonates, calcium salts, overbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50

BCF = 2,2
Log Pow = 9,5
Bioaccumulative

12.4 Mobility in soil

The product is insoluble in water and is not considered to be mobile in soil.

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

Adsorbs into the soil.

12.5 Results of PBT och vPvB assessment

Based on available information, this mixture contains no substance that meets the PBT or vPvB criteria according to Annex XIII to Regulation (EC) No. 1907/2006 (REACH).

12.6 Other adverse effects

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Product residues, spills etc. are classified as hazardous waste. Disposal, transportation, storage and handling of the waste must be in accordance with national regulations. Product waste must not be allowed to contaminate soil or water, or released into the environment.

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Suggested waste code (EWC): 13 02 05: Mineral-based non-chlorinated engine, gear and lubricating oils.

Packaging

EWC-code: 15 01 02, Plastic packaging

EWC-code: 15 01 04, Metallic packaging

Packaging containing product residues that are not drip dry must be handled as hazardous waste and disposed of properly sealed.

EWC-code: 15 01 10, Packaging containing residues of or contaminated by hazardous substances.

SECTION 14. TRANSPORT INFORMATION

The product is not covered by the regulations for the transport of dangerous goods.

SECTION 15. REGULATORY INFORMATION

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

This safety data sheet is prepared in accordance with the EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH) and Commission Regulation (EU) No 2015/830 of 28 May 2015 amending the European Parliament and Council Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH).

Regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substance and mixtures (CLP).

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Classification procedure

Test data is prioritized when classifying the product. When no test data are available the classification criteria in Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP) have been used.

Hazard statements in Section 3

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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Abbreviations

BCF	Bio Concentration Factor
BOD5/COD	Biological Oxygen Demand 5 days/Chemical Oxygen demand
BOD (MITI)	Biological Oxygen Demand
DNEL	Derived No Effect Level
EC50	Effective Concentration (concentration that gives response in 50% of test subjects)
ECHA	European Chemical Agency
EmS	Emergency Schedule Information
IARC	International Agency for Research on Cancer
IC50	Inhibitory Concentration (concentration that shows inhibition in 50% of the test subjects)
LC50	Lethal Concentration (concentration causing the death of 50% of a group of test animals)
LD50	Lethal Dose (dose causing the death of 50% of a group of test animals)
Log Pow	Partition coefficient of octanol - water
MITI	Ministry of International Trade and Industry, Japan
NOEC	No Observed Effect Concentration
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bio-accumulative and Toxic substance
PNEC	Predicted No Effect Concentration
STEL	Short Term Exposure Limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	very Persistent and very Bioaccumulative

Advice on education

The user of this product should have training that is relevant to the properties of the product and relevant use.

References

Information from the supplier: SDS in English, version 3.0.
Classification & Labelling Inventory Database, ECHA.
Registered substances, ECHA.

Version description

The information has been modified under the following sections in the safety data sheet: 1
The safety data sheet is dated 12.11.2020 and replaces the version dated 01.07.2020.