

According to Regulation (EC) No 1907/2006

Transmissionsolja SAE DX III**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Trade name**

Transmissionsolja SAE DX III

Article No.

34-018

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

Gear oil

1.3. Details of the supplier of the safety data sheet**Supplier**

BILTEMA SWEDEN AB

Street address

Garnisonsgatan 26, 2nd FL

SE-254 66 Helsingborg

Sweden

Telephone

+46 77 520 00 00

Email

kundservice@biltema.com

Web site

www.biltema.se

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture***Classification according to Regulation (EC) No 1272/2008***Danger classes**

Hazardous to the aquatic environment — Chronic hazard category 3

Hazard statements

H412

2.2. Label elements**Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

Version number:	1
Issued:	2021-08-31

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Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to Dispose of as hazardous waste in compliance with local and national regulations..

2.3. Other hazards

No data available

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrases M factor acute M factor chronic	Note
Paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7 265-174-4 01-2119487080-42 649-477-00-2	0 - ≤50%	-	- - -	-
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4 265-090-8 01-2119488706-23 649-454-00-7	≥10 - <25%	-	- - -	-
Short-, medium- and long- chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer	- - - -	≥2.5 - <10%	Eye Irrit. 2	H319 - -	-
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25 649-467-00-8	≥1 - <10%	-	- - -	-
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8 265-158-7 01-2119487077-29 649-468-00-3	≥1 - <10%	Asp. Tox. 1	H304 - -	-
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0 265-169-7 01-2119471299-27 -	≥1 - <10%	Asp. Tox. 1	- - -	-
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	- 620-540-6 01-2119510877-33 -	≥0.25 - <1%	Acute Tox. 4 - dermal, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1	H302, H314, H318, H400, H410 M-acut=10 M-chro=1	-
3-((C9-11-iso,C10- rich)alkyloxy)propan-1-amine	- 939-485-7 01-2119974116-35 -	≥0.025 - <0.1%	Acute Tox. 4 - oral, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1	H302, H314, H318, H400, H410 M-acut=100 M-chro=1	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

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Transmissionsolja SAE DX III**SECTION 4: First aid measures****4.1. Description of first aid measures**

If symptoms persist, call a physician.

First aider needs to protect himself.

Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention.

Skin contact

In case of skin contact, rinse immediately with warm water.

In case of prolonged skin irritation, consult a doctor.

Eye contact

Immediately flush eyes for at least 15 minutes. Get medical attention.

Ingestion

Patients who are unconscious or dizzy should be placed in a supine position. /*N only*/If swallowed, do not induce vomiting - seek medical advice. No known symptoms so far.

Information for doctors

Aspiration hazard if swallowed - can enter lungs and cause damage.

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

No known symptoms so far.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

Do NOT use water jet.

5.2. Special hazards arising from the substance or mixture

Heating can release hazardous gases.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

In the event of fire, wear self contained breathing apparatus.

Other

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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Transmissionsolja SAE DX III**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Observe the risk of slipping in the event of leakage / spillage. Wear personal protective equipment. Provide good ventilation. Keep away from heat and sources of ignition. Breathing apparatus needed only when aerosol or mist is formed.

6.2. Environmental precautions

The product should not be allowed to enter drains, water courses or the soil. Prevent spreading over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Usage of Absorbent material, organic.

6.4. Reference to other sections

See section 7 and 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Preventive handling precautions**

No special precautions are needed in handling this material.

Fire class B

7.2. Conditions for safe storage, including any incompatibilities

Keep in suitable and closed containers for disposal. Keep away from food and drink. Keep tightly closed. Store dry and cool. To maintain product quality, do not store in heat or direct sunlight.

7.3. Specific end use(s)

Gear oil

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No data available

8.2. Exposure controls**Eye / face protection**

safety glasses with side-shields

Hand protection

neoprene gloves

Other skin protection

Use protective clothing.

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Transmissionsolja SAE DX III**Respiratory protection**

Respiratory protection is not normally required. Do not inhale fumes. In case of insufficient ventilation wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state**

Liquid

Colour

Red

Odour

not determined

Odour threshold

not determined

Melting point / freezing point

not determined

Boiling point or initial boiling point and boiling range

not determined

Flammability

not determined

Lower and upper explosion limit

not determined

Flash point

220 °C

Method

ASTM D 92

Auto-ignition temperature

Not applicable

Decomposition temperature

not determined

pH

Not applicable

Kinematic viscosity

38 mm²/s @40°C

Method

ASTM D 445

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Transmissionsolja SAE DX III**Solubility**

not determined

Water solubility

not determined

Partition coefficient n-octanol/water

not determined

Vapour pressure

not determined

Density and/or relative density0,849 g/cm³ @15°C**Method**

ASTM D 4052

Relative vapour density

not determined

Evaporation Rate

not determined

Explosive properties

not determined

Oxidising properties

not determined

9.2. Other information

No data available

SECTION 10: Stability and reactivity**10.1. Reactivity**

None under normal use.

10.2. Chemical stability

None under normal use.

10.3. Possibility of hazardous reactions

oxidising substances

10.4. Conditions to avoid

None under normal use.

10.5. Incompatible materials

strong acids and oxidizing agents

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10.6. Hazardous decomposition products
No

Other
See section 2

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

The product is not classified as acute toxic.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7 / 265- 174-4	LD50	>5000 mg/kg	Oral	-	rat
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7 / 265- 174-4	LD50	>5000 mg/kg	Dermal	-	rabbit
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7 / 265- 174-4	LD50	5,53 mg/l	Inhalation	4h	rat

Skin corrosion/irritation

the classification criteria are not met

Serious eye damage/irritation

the classification criteria are not met

Irritation

the classification criteria are not met

Corrosive effect to respiratory tract

the classification criteria are not met

Respiratory/skin sensitization

the classification criteria are not met

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Germ cell mutagenicity

the classification criteria are not met

Genotoxicity

the classification criteria are not met

Mutagenicity

the classification criteria are not met

Carcinogenicity

the classification criteria are not met

Repeated dose toxicity

the classification criteria are not met

Reproductive toxicity

the classification criteria are not met

STOT-single exposure

the classification criteria are not met

STOT-repeated exposure

the classification criteria are not met

Aspiration hazard

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol / 620-540-6	LC50	0,1 mg/l	96h	Brachydanio rerio (zebra fish)
3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine / 939-485-7	LL50	2,14 mg/l	96h	Brachydanio rerio (zebra fish)
Paraffin oils (petroleum),	LL50	>100 mg/l	96h	Pimephales promelas

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
catalytic dewaxed heavy 64742-70-7 / 265-174-4				(fathead minnow)

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol / 620-540-6	EC50	0,0538 mg/l	72h	Pseudokirchneriella subcapitata
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol / 620-540-6	NOEC	0,0156 mg/l	72h	Pseudokirchneriella subcapitata
3-((C9-11-iso,C10- rich)alkyloxy)propan-1- amine / 939-485-7	EL50	0,0544 mg/l	72h	Pseudokirchneriella subcapitata
3-((C9-11-iso,C10- rich)alkyloxy)propan-1- amine / 939-485-7	EL10	0,0421 mg/l	72h	Pseudokirchneriella subcapitata
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7 / 265-174-4	NOEL	>100 mg/l	72h	Pseudokirchneriella subcapitata

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol / 620-540-6	EC50	0,043 mg/l	48h	Daphnia magna (Water flea)
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	EC10	0,0107 mg/l	21 d	Daphnia magna (Water flea)

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
/ 620-540-6				
3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine / 939-485-7	EL50	1,05	21d	Daphnia magna (Water flea)
3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine / 939-485-7	EL10	0,738 mg/l	21d	Daphnia magna (Water flea)
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7 / 265-174-4	EL50	>10000 mg/l	48h	Daphnia magna (Water flea)
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7 / 265-174-4	LL50	>10000 mg/l	96h	Daphnia magna (Water flea)
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7 / 265-174-4	NOEL	>10000 mg/l	96h	Daphnia magna (Water flea)
Paraffin oils (petroleum), catalytic dewaxed heavy 64742-70-7 / 265-174-4	NOEL	10 mg/l	21d	Daphnia magna (Water flea)

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine / 939-485-7	EL50	23,6 mg/l	3h	Toxicity to bacteria

12.2. Persistence and degradability

Persistence and degradability

not determined

Product / Substance name CAS / EC no.	Duration	Result	Degradation
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol / 620-540-6	28d	68%	-
3-((C9-11-iso,C10-	28d	68%	Readily biodegradable

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Product / Substance name CAS / EC no.	Duration	Result	Degradation
rich)alkyloxy)propan-1-amine / 939-485-7			

Decay/transformation

Not readily biodegradable (.? % after .? days).

12.3. Bioaccumulative potential

Bioaccumulative potential

not determined

12.4. Mobility in soil

Mobility

not determined

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

not determined

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Other adverse effects

Try to prevent the material from entering drains or water courses. Release to soil Discharge into the environment must be avoided.

Other

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose of contents/container according to local regulations.

Packaging

packaging containing residues of or contaminated by hazardous substances

Waste code	Description
13 02 08*	other engine, gear and lubricating oils
15 01 10*	packaging containing residues of or contaminated by hazardous substances

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

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Transmissionsolja SAE DX III**SECTION 14: Transport information****14.1. UN number**

No data available

14.2. UN proper shipping name

No data available

14.3. Transport hazard class(es)

No data available

14.4. Packing group

No data available

14.5. Environmental hazards

No data available

14.6. Special precautions for user

See section 6-8

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

EU Regulation (EC) No. 1907/2006 (REACH) CLP - Regulation (EC) No 1272/2008

15.2. Chemical safety assessment

None Chemical safety assessment

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Transmissionsolja SAE DX III**SECTION 16: Other information****Phrase meaning**

Eye Irrit. 2 - Eye irritation, hazard category 2

Acute Tox. 4 - dermal - Acute toxicity, dermal, hazard category 4

Skin Corr. 1C - Skin corrosion, hazard category 1C

Eye Dam. 1 - Serious eye damage, hazard category 1

Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1

Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4

Skin Corr. 1B - Skin corrosion, hazard category 1B

Asp. Tox. 1 - Aspiration hazard, hazard category 1

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.