

According to Regulation (EC) No 1907/2006

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

Transmissionsolja ATF

Article No.

34-020

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

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Transmissionsolja ATF**2.2. Label elements****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs., 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs., 1-(tert-dodecylthio)propan-2-ol, C14-18 alphaolefin epoxide, reaction products with boric acid, Benzene, polypropene derivatives, sulfonated, calcium salts (Polymer). May produce an allergic reaction.

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to an authorised waste collection point.

2.3. Other hazards

This product does not contain any substances that are considered to be a PBT or vPvB substance.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
baseoil - unspecified	- - - -	≥40 - <60%	-	- - -	-
paraffin oils (petroleum), catalytic dewaxed light	64742-71-8 265-176-5 01-2119485040-48 -	≥30 - <50%	Asp. Tox. 1	H304 - -	-
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich	398141-87-2 800-172-4 01-2119969520-35 -	≥1 - <2.5%	Aquatic Chronic 2	H411 - -	-
1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs.	- 482-000-4 01-0000020142-86 -	≥0.25 - <1%	Skin Sens. 1B, Aquatic Chronic 3	H317, H412 - -	-
1-(tert-dodecylthio)propan-2-ol	67124-09-8 266-582-5 01-2119953277-30 -	≥0.25 - <1%	Skin Sens. 1B, Aquatic Chronic 1, Aquatic Acute 1	H317, H400, H410 M-acut=1 M-chro=1	-
Acetamide, 2-hydroxy-,N,N-dicoco alkyl derivs.	- 471-920-1 01-0000019770-68 -	≥0.1 - <1%	Skin Sens. 1B	H317 - -	-
C14-18 alpha-olefin epoxide,	-	≥0.1 - <1%	Skin Sens. 1B	H317	-

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Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
reaction products with boric acid	939-580-3 01-2119976364-28 -			- -	
Benzene, polypropene derivatives, sulfonated, calcium salts (Polymer)	- - 01-2120040541-70 -	≥0.1 - <1%	Skin Sens. 1B	H317 - -	-
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	1218787-32-6 620-540-6 - -	≥0.1 - <0.25%	Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2, Acute Tox. 4 - oral	H302, H314, H318, H400, H410 M-acut=10 M-chro=1	-
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	95-38-5 202-414-9 01-2119777867-13 -	≥0.025 - <0.1%	STOT RE 2, Acute Tox. 4 - oral, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1	H302, H314, H318, H373, H400, H410 M-acut=10 M-chro=1	-

Substance additional information

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

DMSO extract content < 3%

SECTION 4: First aid measures**4.1. Description of first aid measures**

First aider needs to protect himself.

Inhalation

If breathed in, move person into fresh air.

Skin contact

Wash off with warm water and soap. Take off contaminated clothing and shoes immediately.

Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion

Do not induce vomiting. Get medical attention if symptoms occur.

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Transmissionsolja ATF**4.2. Most important symptoms and effects, both acute and delayed**

Gastrointestinal tract
Stomach/intestinal disorders
irritant effects
vomiting
pneumonia

Eye contact

May cause eye irritation.

Ingestion

Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung oedema or pneumonia.

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

Later control for pneumonia and lung oedema.

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

foam, carbon dioxide, dry powder or water fog

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Use a water spray to cool fully closed containers.

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

In the event of fire, wear self contained breathing apparatus. Wear full-coverage protective clothing. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

Keep people away from and upwind of spill/leak.
First aider needs to protect himself.
Wear personal protective equipment.
Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation, especially in confined areas.
The danger areas must be delimited and identified using relevant warning and safety signs.

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Transmissionsolja ATF**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so.

avoid Release to underground water

Do not let product enter drains.

Do not contaminate water.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment.

Soak up with oil absorbent material.

6.4. Reference to other sections

Personal protective equipment , See section 8

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

Use only in area provided with appropriate exhaust ventilation.

Avoid formation of aerosol.

Avoid contact with the skin and the eyes.

Avoid contact with skin and clothing.

Harmful by inhalation and if swallowed. avoid

All metal parts of the mixing and processing equipment must be earthed

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.

Take measures to prevent the build up of electrostatic charge

Keep away from heat and sources of ignition.

Do not smoke.

General hygiene

Avoid contact with skin, eyes and clothing.

Take off contaminated clothing and shoes immediately.

7.2. Conditions for safe storage, including any incompatibilities

Store container tightly closed in well-ventilated place.

Prevent spreading over a wide area (e.g. by containment or oil barriers).

Keep away from heat and sources of ignition.

Do not store together with explosives, gases, oxidizing solids, products which form flammable gases in contact with water, oxidizing products, infectious products and radioactive products.

Do not store together with oxidizing and self-igniting products.

Do not store together with explosives, oxidizing agents, organic peroxides and infectious products.

Do not store together with acids and ammonium salts.

Keep away from direct sunlight.

7.3. Specific end use(s)

No data available

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

No data available

8.2. Exposure controls**Appropriate engineering controls**

Provide good ventilation.

Apply technical measures to comply with the occupational exposure limits.

Eye / face protection

If splashes are likely to occur, wear: Safety glasses with side-shields conforming to EN166

Hand protection

nitrile rubber

480 min

0,4 mm

Viton (R)

480 min

0,7 mm

butylrubber

120 min

0,7mm

Neoprene

60 min

0,6 mm

Protective gloves complying with EN 374.

Other skin protection

Use protective clothing.

Respiratory protection

No personal respiratory protective equipment normally required. Apply technical measures to comply with the occupational exposure limits.

Other

Avoid contact with the skin and the eyes.

Do not breathe vapours or spray mist.

Personal protective equipment : Safety gloves , safety glasses , Protective clothing

Handle in accordance with good industrial hygiene and safety practice.

in accordance with local/regional/national/international regulations

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

Liquid

Colour

light brown

Odour

not determined

Odour threshold

not determined

Melting point / freezing point

-55 °C

Method

ASTM D 97-66

Boiling point or initial boiling point and boiling range

not determined

Flammability

not determined

Lower and upper explosion limit

not determined

Flash point

200 °C

Method

ASTM D 92

Auto-ignition temperature

not determined

Decomposition temperature

not determined

pH

not determined

Kinematic viscosity32,3 mm²/s (40 °C)**Viscosity, dynamic**

not determined

Solubility

not determined

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Transmissionsolja ATF**Water solubility**

< 0,01 g/l (20 °C)

Partition coefficient n-octanol/water

not determined

Vapour pressure

not determined

Density and/or relative density

not determined

Relative density0,8513 g/cm³ (15 °C)**Method**

ASTM D 4052

Relative vapour density

not determined

Evaporation Rate

not determined

Explosive properties

No

Oxidising properties

No

9.2. Other information

No data available

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

Chemical stability

10.2. Chemical stability

Chemical stability

10.3. Possibility of hazardous reactions

Incompatible with strong acids and oxidizing agents.

10.4. Conditions to avoid

No decomposition if stored normally.

10.5. Incompatible materials

strong acids and oxidizing agents

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Transmissionsolja ATF**10.6. Hazardous decomposition products**

No decomposition if stored and applied as directed.

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	Method / Guideline
baseoil - unspecified /	LD50	> 5.000 mg/kg	Oral	4h	rat	OECD Test Guideline 401
baseoil - unspecified /	LC50	> 5,53 mg/l	Inhalation	4h	rat	OECD Test Guideline 403
baseoil - unspecified /	LD50	> 5.000 mg/kg	Dermal	-	rabbit	OECD Test Guideline 402

Skin corrosion/irritation

the classification criteria are not met

Mild skin irritant

Non persistent irritation

Serious eye damage/irritation

Non persistent 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

May cause sensitization by skin contact.

Routes of exposure ; Inhalation

No known effects.

Germ cell mutagenicity

the classification criteria are not met

Genotoxicity

the classification criteria are not met

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Transmissionsolja ATF**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****Aquatic**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
baseoil - unspecified /	NOEL	>= 100 mg/l	96h	Pimephales promelas (fathead minnow)	OECD Test Guideline 203
baseoil - unspecified /	LL50	> 100 mg/l	96h	Pimephales promelas (fathead minnow)	OECD Test Guideline 203
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	LC50	2,4 mg/l	96h	Rainbow trout	-

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Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	LC50	3,3 mg/l	96h	Cyprinodon variegatus (sheepshead minnow)	-
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	NOEC	1 mg/l	96h	Rainbow trout	-
1-(tert-dodecylthio)propan-2-ol 67124-09-8 / 266-582-5	LC50	> 0,75 mg/l	4d	Rainbow trout	-
1-(tert-dodecylthio)propan-2-ol 67124-09-8 / 266-582-5	NOEC	0,56 mg/l	4d	Rainbow trout	-
C14-18 alpha-olefin epoxide, reaction products with boric acid / 939-580-3	LC50	> 100 mg/l	96h	Rainbow trout	-
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol 1218787-32-6 / 620-540-6	LC50	0,1 mg/l	96h	Brachydanio rerio (zebra fish)	-
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol 95-38-5 / 202-414-9	LC50	0,3 mg/l	96h	-	-

Acute algae toxicity

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
baseoil - unspecified /	NOEL	>=100 mg/l	72h	Pseudokirchneriella subcapitata	OECD Test Guideline 201
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	EC50	63 mg/l	72h	Pseudokirchneriella subcapitata	-
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	NOEC	0,313 mg/l	72h	Pseudokirchneriella subcapitata	-
1-(tert-dodecylthio)propan-2-ol 67124-09-8 / 266-582-5	EC50	> 100 mg/l	4d	Scenedesmus quadricauda (Green algae)	-
1-(tert-dodecylthio)propan-2-ol 67124-09-8 / 266-582-5	NOEC	100 mg/l	4d	Scenedesmus quadricauda (Green algae)	-
C14-18 alpha-olefin epoxide, reaction products with boric acid / 939-580-3	EC50	> 100 mg/l	72h	Selenastrum capricornutum	-
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol 1218787-32-6 / 620-540-6	EC50	0,0538 mg/l	72h	Pseudokirchneriella subcapitata	-

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
baseoil -	EL50	> 10.000 mg/l	48h	Daphnia magna	OECD Test

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
unspecified /				(Water flea)	Guideline 202
baseoil - unspecified /	NOEL	>= 1.000 mg/l	48h	Daphnia magna (Water flea)	OECD Test Guideline 202
baseoil - unspecified /	NOEL	10 mg/l	21d	Daphnia magna (Water flea)	OECD Test Guideline 211
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	EC50	4,6 mg/l	48h	Daphnia magna (Water flea)	-
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	NOEC	0,63 mg/l	72h	Daphnia magna (Water flea)	-
1-(tert-dodecylthio)propan-2-ol 67124-09-8 / 266-582-5	EC50	0,58 mg/l	2d	Daphnia magna (Water flea)	-
1-(tert-dodecylthio)propan-2-ol 67124-09-8 / 266-582-5	NOEC	0,32 mg/l	2d	Daphnia magna (Water flea)	-
1-(tert-dodecylthio)propan-2-ol 67124-09-8 / 266-582-5	EC50	0,75 mg/l	21d	Daphnia magna (Water flea)	-
C14-18 alpha-olefin epoxide, reaction products with boric acid / 939-580-3	NOEC	> 100 mg/l	48h	Daphnia magna (Water flea)	-
C14-18 alpha-olefin epoxide, reaction products with boric acid / 939-580-3	NOEC	100 mg/l	48h	Daphnia magna (Water flea)	-

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
C14-18 alpha-olefin epoxide, reaction products with boric acid / 939-580-3	EC50	20 mg/l	21d	Daphnia magna (Water flea)	-
C14-18 alpha-olefin epoxide, reaction products with boric acid / 939-580-3	NOEC	10 mg/l	21d	Daphnia magna (Water flea)	-
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol 1218787-32-6 / 620-540-6	EC50	0,043 mg/l	48h	Daphnia magna (Water flea)	-
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol 1218787-32-6 / 620-540-6	EC10	0,0107 mg/l	21d	Daphnia magna (Water flea)	-
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol 95-38-5 / 202-414-9	EC50	0,163 mg/l	48h	Daphnia magna (Water flea)	-

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	EC50	10.000 mg/l	2,4h
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol 1218787-32-6 / 620-540-6	EC50	167 mg/l	3h
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol 95-38-5 / 202-414-9	IC50	26 mg/l	3h

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Transmissionsolja ATF**12.2. Persistence and degradability****Decay/transformation**

The product is insoluble and floats on water.

May be separated mechanically in waste water plants.

12.3. Bioaccumulative potential**Bioaccumulative potential**

Product / Substance name CAS / EC no.	LogKow / LogPow	Bioconcentration factor (BCF)
Thiophene, tetrahydro-, 1,1-dioxide, 3- (C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 / 800-172-4	log Pow: 4,1	27,54

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment**

This product does not contain any substances that are considered to be a PBT or vPvB substance.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects**Other adverse effects**

Do not let product enter drains.

Other

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal considerations**

Dispose of in accordance with local regulations

Packaging

Empty containers can be landfilled after cleaning, when in compliance with local regulations.

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.

*According to Regulation (EC) No 1907/2006***Transmissionsolja ATF****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

No data available

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**

No data available

15.2. Chemical safety assessment

No data available

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Transmissionsolja ATF**SECTION 16: Other information****Phrase meaning**

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

Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2

Skin Sens. 1B - Skin sensitisation, hazard category 1, sub-category 1B

Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3

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

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

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

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

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

STOT RE 2 - Specific Target Organ Toxicity — Repeated exposure, hazard category 2

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.