



WABCO EaseTec L1

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

1.1. Product identifier

Trade name

WABCO EaseTec L1

Article No.

8305030184

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

Product type

Mixture.

Relevant identified uses

Lubricating grease.

Not suitable for use in

No uses advised against identified.

1.3. Details of the supplier of the safety data sheet

SDS created by

Global Division B Product Compliance Mgmt. System (BWC)

Supplier

ZF CV Distribution Germany GmbH & Co. KG

Address

Am Lindener Hafen 21
30453 Hannover
Germany

Telephone

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Contact person

Global Division B Product Compliance Mgmt. System (BWC)

Email

msds.zf-aftermarket@zf.com

1.4. Emergency telephone number

(+49) 89 19 240; 112

Available outside office hours

Yes



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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Skin irritation, hazard category 2

Eye irritation, hazard category 2

Hazardous to the aquatic environment — Chronic hazard category 3

Hazard statements

H315, H319, H412

Description

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

P501 Dispose of contents/container to in accordance with all local, regional, national and international regulations..



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2.3. Other hazards

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACH Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration $\geq 0,1$ %.

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	Specific concentration limits ATE	Note
Heterocyclic N-compound	95-38-5 202-414-9 01-2119777867-13 -	1 - <2.5%	Acute Tox. 4 - oral, Skin Corr. 1C, Eye Dam. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1	H302, H314, H318, H373, H400, H410 M-acut=10 M-chro=1		-
phenolic antioxidant	128-37-0 204-881-4 - -	0.25 - <1%	Aquatic Acute 1, Aquatic Chronic 1	H400, H410 - -		-
Amine aromatic , alkylated	68411-46-1 270-128-1 01-2119491299-23 -	0.1 - <1%	Repr. 2, Aquatic Chronic 3	H361f, H412 - -		-

Product based on

Lubricating grease. : Thickener system and additives in synthetic base oil.

Substance additional information

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



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SECTION 4: First aid measures

4.1. Description of first aid measures

Instantly remove any clothing soiled by the product.

Inhalation

Supply fresh air, consult a doctor in case of discomfort.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention.

Ingestion

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

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

Causes serious eye irritation. Causes skin irritation.

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

Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added.

Unsuitable extinguishing media

Water with a full water jet.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire-fighting procedures: Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

6.2. Environmental precautions

Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

6.4. Reference to other sections

See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

Other

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Take usual precautions when handling mineral oil products or chemical products. Avoid contact with skin.

7.2. Conditions for safe storage, including any incompatibilities

Local regulations concerning handling and storage of water polluting products have to be followed. Do not heat up to temperatures close to the flash point.

7.3. Specific end use(s)

Not applicable.

Other

Storage class : 11, Combustible solids.

Note: This is a regulation from Germany that does not form a legal basis in other countries.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

Occupational exposure limits: No exposure limit value known.

Biological Limit Values (BLV): No exposure indices known.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain air-borne levels to an acceptable level.

General information: Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Personal Protective Equipment Symbols



Eye / face protection

In case of contact through splashing: safety glasses with side-shields, EN 166. Avoid contact with eyes.

Hand protection

Material: Nitrile butyl rubber (NBR).

Breakthrough time: ≥ 480 min

Recommended thickness of the material: ≥ 0.38 mm.

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other skin protection

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory protection

Not relevant, due to the form of the product.

Thermal hazards

Not known.



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Environmental exposure controls

No data available.

Other

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated foot-wear that cannot be cleaned.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Solid. [Paste.]

Colour

Light brown.

Odour

Characteristic.

Melting point / freezing point

No data available

Boiling point or initial boiling point and boiling range

No data available

Flammability

No data available

Lower and upper explosion limit

Not applicable for mixtures.

Flash point

Not applicable.

Auto-ignition temperature

No data available

Decomposition temperature

No data available

pH

substance/mixture is non-soluble (in water).

Kinematic viscosity

No data available



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Solubility

Insoluble (water); No data available (other solvents).

Water solubility

Insoluble in water.

Partition coefficient n-octanol/water

Not applicable for mixtures.

Vapour pressure

Not applicable for mixtures.

Density and/or relative density

0.90 g/ml @ 25°C

Relative vapour density

Not applicable for mixtures.

Particle characteristics

Technically not feasible.

9.2. Other information

Drop Point: 180 °C (IP 396)

NLGI: 1

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal use conditions.

10.2. Chemical stability

Stable under normal use conditions.

10.3. Possibility of hazardous reactions

Stable under normal use conditions.

10.4. Conditions to avoid

Stable under normal use conditions.

10.5. Incompatible materials

Strong oxidising substances, strong acids and strong bases.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.



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SECTION 11: Toxicological information

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

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix: 63250 mg/kg

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Method / Guideline
Heterocyclic N-compound -	LD50	1265 mg/kg	Oral.	Rat.	OECD 401
Amine aromatic , alkylated -	LD50	> 5000 mg/kg	Oral.	Rat.	OECD 401
phenolic antioxidant -	LD50	> 2930 mg/kg	Oral.	Rat.	OECD 401
phenolic antioxidant -	LD50	> 5000 mg/kg	Dermal	Rat.	OECD 402

Skin corrosion/irritation

Causes skin irritation.

Product / Substance name CAS / EC no.	Result	Species	Method / Guideline
Heterocyclic N-compound -	Corrosive.	Rabbit	OECD 405

Serious eye damage/irritation

Causes eye irritation.

Product / Substance name CAS / EC no.	Result	Species	Method / Guideline
Heterocyclic N-compound -	Corrosive.	Rabbit	OECD 405
Amine aromatic , alkylated -	Not irritating.	Rabbit	OECD 405

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.



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Product / Substance name CAS / EC no.	Result	Species	Method / Guideline
Heterocyclic N-compound -	Not sensitising.	Guinea Pig	OECD 406
Amine aromatic , alkylated -	Not sensitising.	Guinea Pig	OECD 406
phenolic antioxidant -	Not sensitising.	Guinea Pig	OECD 406

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Species	Result	Duration of exposure	Method / Guideline
Amine aromatic , alkylated -	Rat.	Suspected of damaging fertility.	Oral.	OECD 421

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Based on available data, the classification criteria are not met.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Heterocyclic N-compound -	LC50	0.3 mg/l	96 hr	Fish.	OECD 203
Amine aromatic , alkylated -	LC50	> 100 mg/l	96 hr	Fish.	OECD 203

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Heterocyclic N-compound -	EC50	0.03 mg/l	72 hr	Algae.	OECD 201
Amine aromatic , alkylated -	EC50	> 100 mg/l	72 hr	Algae.	OECD 201

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Heterocyclic N-compound -	EC50	0,136 mg/l	48 hr	Water Flea.	OECD 202
Amine aromatic , alkylated -	EC50	51 mg/l	48 hr	Daphnia magna	OECD 202
phenolic antioxidant -	EC50	0.61 mg/l	48 hr	Water Flea.	OECD 202



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Chronical toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Heterocyclic N-compound -	NOEC	0.11 mg/l	72 hr	Algae.
phenolic antioxidant -	NOEC	> 0.39 mg/l	21 d	Water Flea.

12.2. Persistence and degradability

Not applicable for mixtures.

Product / Substance name CAS / EC no.	Result	Degradation	Method / Guideline
Heterocyclic N-compound -	The product is not biodegradable.	-	OECD 301B
Amine aromatic , alkylated -	Not readily degradable.	-	-
phenolic antioxidant -	Not readily degradable.	30 %	OECD 302C

12.3. Bioaccumulative potential

Not applicable for mixtures.

Product / Substance name CAS / EC no.	Result
phenolic antioxidant -	May be accumulated in organism.

12.4. Mobility in soil

Mobility

Not applicable for mixtures.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration $\geq 0,1$ %.



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12.6. Endocrine disrupting properties

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACH Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

12.7. Other adverse effects

Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose in accordance with all applicable regulations.

Discharge, treatment or disposal may be subject to national and local laws and regulations.

Waste code	Waste description
12 01 12*	spent waxes and fats

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

SECTION 14: Transport information

14.1. UN number

Not regulated.

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

Not regulated.

14.3. Transport hazard class(es)

Label

Not regulated.

ADR / RID Class

Not regulated.

IMDG Class

Not regulated.

IATA Class

Not regulated.



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Version number: 1

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ADN Class

Not regulated.

ADN Class Code

Not regulated.

14.4. Packing group

Not regulated.

14.5. Environmental hazards

Not regulated.

IMDG Marine Pollutant

Not regulated.

14.6. Special precautions for user

Not regulated.

IMDG EmS

Not regulated.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 2024/590 on substances that deplete the ozone layer, ANNEX I REGULATED SUBSTANCES: None.

Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: None.

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: None.

National regulations

No data available

Other regulations, limitations and legal regulations

DIRECTIVE 2012/18/EU (SEVESO III) on the control of major-accident hazards involving dangerous substances: Not applicable.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.



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SECTION 16: Other information

Phrase meaning

Skin Irrit. 2 - Skin irritation, hazard category 2

Eye Irrit. 2 - Eye irritation, hazard category 2

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

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

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

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

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

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

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

Repr. 2 - Reproductive toxicity, hazard category 2

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H361f Suspected of damaging fertility

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.

H412 Harmful to aquatic life with long lasting effects.

Other

Additional information

Other information: The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided by/about our company. The following evaluation methods were used: - On the basis of test data - Calculation Method - Bridging Principle "Substantially similar mixtures" - Expert Judgement

Disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.