



Wabco Easetec P1

SECTION 1: Identification

Product identifier

Trade name

Wabco Easetec P1

Article No.

8305030654; 8305020764

Recommended use of the chemical and restrictions on use

Product type

Mixture

Use

Lubricating grease

Not suitable for use in

No uses advised against identified.

Supplier's details

SDS created by

Global Division B Product Compliance Mgmt. System (BWC)

Supplier

ZF CV Systems North America LLC

Address

1220 Pacific Drive

Auburn Hills

48326 MI

USA

Telephone

+1 248-270-9300

Email

msds.zf-aftermarket@zf.com

Contact person

Global Division B Product Compliance Mgmt. System (BWC)

Email address

msds.zf-aftermarket@zf.com

Emergency phone number

1-800-222-1222 (general poison US emergency number); (+49) 89 19 240



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According to Regulation (US HCS) 29 CFR
1910.1200

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Available outside office hours

Yes

SECTION 2: Hazard identification

Classification of the substance or mixture and any national or regional information

Classification according to Regulation (US HCS) 29 CFR 1910.1200

Classification

Skin irritation, hazard category 2

Eye irritation, hazard category 2

Skin sensitisation, hazard category 1

Reproductive toxicity, hazard category 1B

Specific Target Organ Toxicity — Repeated exposure, hazard category 2

Hazard statements

H315, H317, H319, H360Df, H373

Description

The product has been classified and labelled as hazardous according to the legislation in force.

Label elements, including precautionary statements

Labeling according to Regulation (US HCS) 29 CFR 1910.1200

Hazard pictograms



Signal word

Danger

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H360Df May damage the unborn child. Suspected of damaging fertility

H373 May cause damage to organs through prolonged or repeated exposure.



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Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapors/spray..
P264 Wash face, hands and any exposed skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P302 + P352 IF ON SKIN: Wash with plenty of water/.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P321 Specific treatment (see first aid instructions on this label).
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations..

Other hazards which do not result in classification

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.

Unknown toxicity: Due to information available product does not contain any ingredients of unknown toxicity.



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SECTION 3: Composition/information on ingredients

Mixture

Chemical name	CAS No. EC No. REACH No. Index No.	Concentra- tion	Classification	H-phrase M factor acute M factor chronic	Specific concentra- tion limits ATE	Note
Heterocyclic N-com- pound	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		-
Zn-Octoate	136-53-8 205-251-1 - -	0.3 - <1%	Eye Irrit. 2, Repr. 1B, Aquatic Chronic 2	H319, H360D, H411 - -		-
phenolic antioxidant	128-37-0 204-881-4 - -	0.25 - <1%	Aquatic Acute 1, Aquatic Chronic 1	H400, H410 - -		-
carboxylic acid zinc salt	12001-85-3 234-409-2 - -	0.1 - <1%	Skin Sens. 1B, Eye Irrit. 2, Aquatic Chronic 2	H317, H319, H411 - -		-
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

General information:

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

SECTION 4: First-aid measures

Description of necessary first-aid measures

Instantly remove any clothing soiled by the product.



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Inhalation

Instantly remove any clothing soiled by the product.

Skin contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Ingestion

Rinse mouth. Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Call a POISON CENTER or doctor/ physician if you feel unwell.

Most important symptoms/effects, acute and delayed

Causes serious eye irritation. Causes skin irritation.

Indication of immediate medical attention and special treatment needed, if necessary

Get medical attention if symptoms occur.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) 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.

Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products).

During fire, gases hazardous to health may be formed.

Special protective actions for fire-fighters

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

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

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

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.

SECTION 7: Handling and storage

Precautions for safe handling

Preventive handling precautions

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

Conditions for safe storage, including any incompatibilities

Local regulations concerning handling and storage of waterpolluting products have to be followed.

Specific end use(s)

Not applicable

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

None of the components have assigned exposure limits.



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Appropriate engineering 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 airborne 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.

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 footwear that cannot be cleaned.

Personal Protective Equipment Symbols



Eye / face protection

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield. Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

Hand protection

Material: Nitrile butyl rubber (NBR).

Min. 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

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

Thermal hazards

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



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Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state

Solid [paste]

Colour

Light brown

Odour

Characteristic

Odour threshold

Not applicable for mixtures

Melting point / freezing point

No data available

Boiling point or initial boiling point and boiling range

Not applicable

Flammability

Value not relevant for classification [solid, gas]

Lower and upper explosion limit

Not applicable for mixtures

Flash point

Not applicable

Auto-ignition temperature

Value not relevant for classification

Decomposition temperature

Value not relevant for classification

pH

substance/mixture is non-soluble (in water)

Kinematic viscosity

No data available



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Solubility

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

Evaporation Rate

Not applicable for mixtures

Explosive properties

Value not relevant for classification

Oxidising properties

Value not relevant for classification

Particle characteristics

No data available

Other information

Drop Point: 180 °C (IP 396)

NLGI: 1

SECTION 10: Stability and reactivity

Reactivity

Stable under normal use conditions.

Chemical stability

Stable under normal use conditions.

Possibility of hazardous reactions

Stable under normal use conditions.



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Conditions to avoid

Stable under normal use conditions.

Incompatible materials

Strong oxidizing substances. Strong acids. Strong bases.

Hazardous decomposition products

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

SECTION 11. Toxicological information

Information on the likely routes of exposure

Acute toxicity

ATEmix (oral): 71,468.93 mg/kg

Based on available data, the classification criteria are met.

Product / Sub- stance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Method / Guideline
Heterocyclic N-com- pound -	LD50	1265 mg/kg	Oral	Rat	OECD 401
phenolic antioxidant -	LD50	> 2930 mg/kg	oral	Rat	OECD 401
Amine aromatic, alkylated -	LD50	> 5000 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 404

Serious eye damage/irritation

Causes eye irritation.



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

Respiratory or skin sensitisation

Skin sensitizer: Based on available data, the classification criteria are met.

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

Product / Substance name CAS / EC no.	Result	Species	Method / Guideline
Amine aromatic, alkylated -	No sensitizing effect	guinea pig	OECD 406
Heterocyclic N-compound -	No sensitizing effect	guinea pig	OECD 406
phenolic antioxidant -	No sensitizing effect	guinea pig	OECD 406

Germ cell mutagenicity

Based on available data, the classification criteria are met.

Carcinogenicity

IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified

NTP: US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified.

OSHASp: US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified.

Based on available data, the classification criteria are met.

Reproductive toxicity

Based on available data, the classification criteria are met.

STOT-single exposure

Based on available data, the classification criteria are met.

STOT-repeated exposure

Based on available data, the classification criteria are met.

Aspiration hazard

Based on available data, the classification criteria are met.



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Information on other hazards

No data available

SECTION 12: Ecological information

Toxicity

Acute toxicity

Based on available data, the classification criteria are met.

Acute fish toxicity

Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Heterocyclic N-com- pound -	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 / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Heterocyclic N-com- pound -	EC50	0.03 mg/l	48 hr	Algae	OECD 201
Amine aromatic, alkylated -	EC50	> 100 mg/l	72 hr	Algae	OECD 201

Acute crustacean toxicity

Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Heterocyclic N-com- pound	EC50	0.136 mg/l	48 hr	Water Flea	OECD 202



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

Chronical toxicity

Based on available data, the classification criteria are met.

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

Persistence and degradability

Not applicable for mixtures

Product / Substance name CAS / EC no.	Duration	Result	Degradation	Method / Guideline
Heterocyclic N-com- pound -	-	The product is not bio- degradable.	-	OECD 301B
carboxylic acid zinc salt -	28 d	Not easily biodegradable	29 %	OECD 301B
phenolic antioxidant -	-	Not readily degradable	30 %	OECD 302C
Amine aromatic, alkylated -	-	Not readily degradable.	-	-

Bioaccumulative potential

Not applicable for mixtures



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

Mobility in soil

Mobility

Not applicable for mixtures

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

The product does not contain any substances fulfilling the PBT/vPvB criteria.

Endocrine disrupting properties

No data available

Other adverse effects

Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

Disposal methods

Disposal considerations

Dispose in accordance with all applicable regulations.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

SECTION 14: Transport information

UN number

UNRDG: Not Regulated.

US DOT: Not Regulated.

UN proper shipping name

ADR / RID / ADN proper shipping name

Not Regulated.

IMDG proper shipping name

Not Regulated.

IATA proper shipping name

Not Regulated.



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Transport hazard class(es)

Label

Not Regulated.

ADR / RID Class

Not Regulated.

IMDG Class

Not Regulated.

IATA Class

Not Regulated.

ADN Class

Not Regulated.

Packing group

Not Regulated.

Environmental hazards

No

IMDG Marine Pollutant

No

Special precautions for user

Not Applicable.

Transport in bulk according to IMO instruments

Not Applicable.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

EU regulations

Not Applicable.

National regulations

No data available

Other regulations, limitations and legal regulations

Inventory Status:

TSCA: On or in compliance with the inventory.

DSL: On or in compliance with the inventory.



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Chemical safety assessment

No data available

SECTION 16: Other information

Phrase meaning

Skin Irrit. 2 - Skin irritation, hazard category 2

Eye Irrit. 2 - Eye irritation, hazard category 2

Skin Sens. 1 - Skin sensitisation, hazard category 1

Repr. 1B - Reproductive toxicity, hazard category 1B

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

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

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

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

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

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

Repr. 2 - Reproductive toxicity, hazard category 2

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

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H360D May damage the unborn child

H360Df May damage the unborn child. Suspected of damaging fertility

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.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.



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Other

Additional information

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.