



# Wabco Easetec P1

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

### 1.1. Product identifier

**Trade name**

Wabco Easetec P1

**Article No.**

8305030654; 8305020764

### 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**

+800 438 92226

**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

Reproductive toxicity, hazard category 1B

Hazardous to the aquatic environment — Chronic hazard category 3

#### **Hazard statements**

H315, H319, H360D, 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**

Danger

#### **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360D May damage the unborn child

H412 Harmful to aquatic life with long lasting effects.

#### **Supplemental hazard statements**

EUH208 Contains carboxylic acid zinc salt. May produce an allergic reaction.

#### **Precautionary statements**

P201 Obtain special instructions before use.

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

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

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



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### **More information**

Contains Zn-Octoate

Restricted to professional users.

### **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  $\geq 0,1$  %.



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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-phrase 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		-
Zn-Octoate	85203-81-2 286-272-3 - -	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	84418-50-8 282-762-6 - -	0.1 - <1%	Skin Sens. 1, Aquatic Chronic 3	H317, H412 - -		-
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.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Instantly remove any clothing soiled by the product.



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## **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**

CO<sub>2</sub>, 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

Scrape up spillage or absorb with absorbing material. 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 : 6.1 C, Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects.

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: 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**

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:  $\geq 480$  min

Recommended thickness of the material:  $\geq 0.38$  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**

Not applicable.

#### **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**

Other: No data available.

## **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**

ATEmix: 71.468 mg/kg

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

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
Zn-Octoate -	LD50	2043 mg/kg	Oral.	Rat.	-
phenolic antioxidant -	LD50	> 2930 mg/kg	Oral.	Rat.	OECD 401
Amine aromatic , alkylated -	LD50	> 5000 mg/kg	Oral.	Rat.	OECD 401
Zn-Octoate -	LD50	> 5000 mg/kg	Dermal	Rat.	-
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.

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



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Product / Substance name CAS / EC no.	Result	Species	Method / Guideline
-			

### **Respiratory or skin sensitisation**

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

Product / Substance name CAS / EC no.	Result	Species	Method / Guideline
Heterocyclic N-compound -	Not sensitising.	Guinea Pig	OECD 406
phenolic antioxidant -	Not sensitising.	Guinea Pig	OECD 406
Amine aromatic , alkylated -	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.	Exposure route	Species	Result	Method / Guideline
Amine aromatic , alkylated -	Oral.	Rat.	Suspected of damaging fertility.	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.



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## 11.2. Information on other hazards

### 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.

### Other information

Not applicable.

## 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



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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
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

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-compound -	NOEC	0.11 mg/l	72 hr	Algae.

### 12.2. Persistence and degradability

Not applicable for mixtures.

Product / Substance name CAS / EC no.	Duration	Result	Degradation	Method / Guideline
Heterocyclic N-compound -	-	The product is not biodegradable.	-	OECD 301B
carboxylic acid zinc salt -	29 d	Not readily.	29 %	OECD 301B
Zn-Octoate -	28 d	The substance is readily biodegradable.	65 %	OECD 301D
phenolic antioxidant -	-	The product is not readily biodegradable.	30 %	OECD 302C
Amine aromatic , alkylated -	-	The product is not readily biodegradable.	-	-



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## 12.3. Bioaccumulative potential

Not applicable for mixtures.

## 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  $\geq 0,1$  %.

## 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 02	ferrous metal dust and particles

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.



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**IMDG proper shipping name**

Not regulated.

**IATA 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.

**ADN Class**

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.

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.



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## 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.

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

#### **National regulations**

No data available

### 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

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

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

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

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

Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic 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

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

Skin Sens. 1 - Skin sensitisation, 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.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H360D May damage the unborn child

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.

EUH208 Contains carboxylic acid zinc salt. May produce an allergic reaction.



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## 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.