

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent
Revision date : 27.09.2022
Print date : 27.09.2022
Version (Revision) : 2.1.3 (2.1.2)

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

1.1 Product identifier

EF-P 2020
degreasing and phosphating agent (69116)

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

Relevant identified uses

Washing and cleaning products
Metal surface treatment products

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

ph-cleantec GmbH

Street : Gutenbergstr. 44

Postal code/city : D-70736 Fellbach

Telephone : +49(0)711/5180600

Telefax : +49(0)711/5180994

Information contact :

Email: info@ph-cleantec.de
Internet: www.ph-cleantec.de

1.4 Emergency telephone number

+44 1235239670 (24/7)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Corrosion (GHS05)

Signal word

Danger

Hazard components for labelling

Poly(oxy-1,2-ethanediyl),alpha-phenyl-omega-hydroxy-, phosphate ; CAS No. : 39464-70-5
Laurylamine ethoxylated ; CAS No. : 31017-83-1

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

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

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent

Revision date : 27.09.2022

Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

P310 Immediately call a POISON CENTER/doctor.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

PHOSPHORIC ACID ; REACH No. : 01-2119485924-24 ; EC No. : 231-633-2; CAS No. : 7664-38-2

Weight fraction : $\geq 5 - < 10$ %

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

Poly(oxy-1,2-ethanediyl),alpha-phenyl-omega-hydroxy-, phosphate ; REACH No. : Polymer ; EC No. : 609-691-9; CAS No. : 39464-70-5

Weight fraction : $\geq 1 - < 3$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315

Laurylamine ethoxylated ; REACH No. : Polymer ; EC No. : 931-964-9; CAS No. : 31017-83-1

Weight fraction : $\geq 1 - < 2,5$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 3 ; H412

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation

Remove casualty to fresh air and keep warm and at rest. Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

In case of skin contact

Remove contaminated, saturated clothing. Wash with plenty of water. In case of skin irritation, consult a physician. Wash contaminated clothing prior to re-use.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician in any case!

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent
Revision date : 27.09.2022
Print date : 27.09.2022
Version (Revision) : 2.1.3 (2.1.2)

5.1 Extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Pyrolysis products, toxic

5.3 Advice for firefighters

Do not inhale explosion and combustion gases.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4 Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear personal protection equipment (refer to section 8). Avoid: generation/formation of aerosols
It is recommended to design all work processes always so that the following is excluded: Inhalation Skin contact Eye contact

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class (TRGS 510) : 12

Further information on storage conditions

Keep container tightly closed. Keep/Store only in original container.

7.3 Specific end use(s)

Observe technical data sheet. For use in industrial installations and professional treatment only.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

PHOSPHORIC ACID ; CAS No. : 7664-38-2

Limit value type (country of origin) : TRGS 900 (D)

Parameter : E: inhalable fraction

Limit value : 2 mg/m³

Peak limitation : 2(I)

Remark : Y

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent
Revision date : 27.09.2022
Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

Version : 29.03.2019
Limit value type (country of origin) : STEL (EC)
Limit value : 2 mg/m³
Version : 20.06.2019
Limit value type (country of origin) : TWA (EC)
Limit value : 1 mg/m³
Version : 20.06.2019

DNEL-/PNEC-values

DNEL/DMEL

PHOSPHORIC ACID ; CAS No. : 7664-38-2

Limit value type : DNEL worker (local)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 1 mg/m³
Limit value type : DNEL worker (local)
Exposure route : Inhalation
Exposure frequency : Short-term
Limit value : 2,92 mg/m³
Limit value type : DNEL worker (systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 10,7 mg/m³

8.2 Exposure controls



Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Tested protective gloves must be worn

Hand protection

Recommended glove articles EN ISO 374

Suitable material :

FKM (fluoro rubber)

Thickness of the glove material : 0.7 mm

Breakthrough time (maximum wearing time) : 480 min

CR (polychloroprene, chloroprene rubber)

Thickness of the glove material : 0.65 mm

Breakthrough time (maximum wearing time) : 480 min

Remark : Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection

Apron

Respiratory protection

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent
Revision date : 27.09.2022
Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

Usually no personal respiratory protection necessary. In fine dispersion/spraying/misting: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: exceeding exposure limit values

Suitable respiratory protection apparatus

Filtering device (full mask or mouthpiece) with filter: ABEK-P2 filter

General information

Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : Liquid

Odour : characteristic

Appearance

Colour : light yellow - greenish blue

Safety characteristics

Melting point/freezing point : not relevant

Initial boiling point and boiling range : (1013 hPa) not relevant

Decomposition temperature : not relevant

Flash point : not applicable DIN 51755 part 1

Auto-ignition temperature : not applicable DIN 51794

Lower explosion limit : not applicable

Upper explosion limit : not applicable

Vapour pressure : (20 °C) not applicable

Density : (20 °C) approx. 1,16 g/cm³ DIN 51757

Water solubility : (20 °C) miscible

pH : (20 °C / 10 g/l) approx. 3

Partition coefficient n-octanol/water : not applicable

Cinematic viscosity : (40 °C) No data available

Odour threshold : No data available

Relative vapour density : (20 °C) No data available

Vapourisation rate : No data available

Maximum VOC content (EC) : 0 Wt % 1999/13/EC

Flammable solids : Not fulfilling criteria for hazard class "Flammable Solids".

Flammable gases : Not applicable.

Oxidising liquids : GHS/CLP criteria are not met.

Explosive properties : GHS/CLP criteria are not met.

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Information is given in subsection 10.3.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent
Revision date : 27.09.2022
Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

Alkali (lye).

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Acute oral toxicity

Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	6151 mg/kg
Parameter :	ATEmix calculated (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route :	Oral
Effective dose :	500 mg/kg
Method :	OECD 423
Parameter :	LD50 (Poly(oxy-1,2-ethanediyl),alpha-phenyl-omega-hydroxy-, phosphate ; CAS No. : 39464-70-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 300 - 2000 mg/kg
Method :	OECD 401
Parameter :	ATE (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route :	Oral
Effective dose :	500 mg/kg
Parameter :	ATE (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Exposure route :	Oral
Effective dose :	500 mg/kg

Acute dermal toxicity

Parameter :	ATEmix calculated
Exposure route :	Dermal
Effective dose :	not relevant
Parameter :	LD50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	2740 mg/kg

Acute inhalation toxicity

Parameter :	ATEmix calculated
Exposure route :	Inhalation (vapour)
Effective dose :	not relevant
Parameter :	LC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Exposure route :	Inhalation

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent

Revision date : 27.09.2022

Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

Effective dose : 850 mg/l
Exposure time : 2 h

Corrosive/irritant effect on skin/eyes

Skin corrosion/irritation

Parameter : Skin corrosion/irritation (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Species : Rabbit
Result : Causes burns

Parameter : Skin corrosion/irritation (Poly(oxy-1,2-ethanediyl),alpha-phenyl-omega-hydroxy-, phosphate ; CAS No. : 39464-70-5)
Result : Irritant

Parameter : Skin corrosion/irritation (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Species : Rabbit
Result : Erythema (redness).
Method : OECD 404

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

Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Species : Rabbit
Exposure time : 24 h
Result : Causes serious eye damage

Parameter : Serious eye damage/eye irritation (Poly(oxy-1,2-ethanediyl),alpha-phenyl-omega-hydroxy-, phosphate ; CAS No. : 39464-70-5)
Result : Causes serious eye damage

Parameter : Serious eye damage/eye irritation (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Species : Rabbit
Result : Corneal opacity.
Method : OECD 405

Causes serious eye damage.

Respiratory or skin sensitisation

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

Skin sensitisation

Parameter : Skin sensitisation (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Species : Guinea pig
Result : Not sensitising.
Method : OECD 406

Sensitisation to the respiratory tract

Parameter : Sensitisation to the respiratory tract (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Species : Guinea pig
Result : Not sensitising.
Method : OECD 406

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

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

Germ cell mutagenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent

Revision date : 27.09.2022

Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

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

Aspiration hazard

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

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

Acute (short-term) fish toxicity

Parameter : LC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)

Species : Lepomis macrochirus (Bluegill)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : 3 - 3,25 mg/l

Exposure time : 96 h

Parameter : LC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)

Species : Gambusia affinis (Mosquito fish)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : 138 mg/l

Exposure time : 96 h

Parameter : LC50 (Poly(oxy-1,2-ethanediyl),alpha-phenyl-omega-hydroxy-, phosphate ; CAS No. : 39464-70-5)

Species : Leuciscus idus (golden orfe)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : > 1000 mg/l

Exposure time : 48 h

Parameter : LC0 (Poly(oxy-1,2-ethanediyl),alpha-phenyl-omega-hydroxy-, phosphate ; CAS No. : 39464-70-5)

Species : Leuciscus idus (golden orfe)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : > 1000 mg/l

Exposure time : 48 h

Parameter : LC50 (Laurylamine ethoxylated ; CAS No. : 31017-83-1)

Species : Brachydanio rerio (zebra-fish)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : > 0,1 - 1 mg/l

Exposure time : 96 h

Method : OECD 203

Parameter : EC50 (Laurylamine ethoxylated ; CAS No. : 31017-83-1)

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : > 1 - 10 mg/l

Exposure time : 48 h

Method : OECD 202

Acute (short-term) toxicity to crustacea

Parameter : EC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : > 100 mg/l

Exposure time : 48 h

Method : OECD 202

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent

Revision date : 27.09.2022

Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

Parameter : EC50 (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Species : Desmodesmus subspicatus
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 0,1 - 1 mg/l
Method : OECD 201

Chronic (long-term) algae toxicity

Parameter : NOEC (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Species : Desmodesmus subspicatus
Evaluation parameter : Chronic (long-term) algae toxicity
Effective dose : 100 mg/l
Exposure time : 72 h
Method : OECD 201

Parameter : NOEC (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Species : Desmodesmus subspicatus
Evaluation parameter : Chronic (long-term) algae toxicity
Effective dose : 0,5 mg/l
Method : OECD 201

Toxicity to microorganisms

Parameter : EC10 (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Species : Pseudomonas putida
Evaluation parameter : Toxicity to microorganisms
Effective dose : > 10000 mg/l

12.2 Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Biodegradation

Parameter : Biodegradation (Laurylamine ethoxylated ; CAS No. : 31017-83-1)
Degradation rate : > 60 %
Test duration : 28 D
Evaluation : Biodegradable.
Method : OECD 301B

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose according to legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

SECTION 14: Transport information

14.1 UN number

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent

Revision date : 27.09.2022

Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

Other regulations (EU)

Restrictions of use in accordance with regulation (EC) 2019/1148 on the marketing and use of explosives precursors

None

Labelling for contents according to regulation (EC) No. 648/2004

non-ionic surfactants < 5 %

anionic surfactants < 5 %

phosphonates < 5 %

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. II) : < 5 %

Water hazard class (WGK)

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

15.2 Chemical safety assessment

For this substance / mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent

Revision date : 27.09.2022

Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

AGW = Occupational Exposure Limits
ATE = Acute Toxicity Estimates
AwSV = Ordinance on facilities for the handling of substances hazardous to water
DMEL = Derived Minimal Effect Levels
DNEL = Derived No Effect Level
ECx = effective concentration
H (8.1) = skin resorptive / risk of skin absorption
IATA = International Air Transport Association
ICAO = International Civil Aviation Organization
IMDG = International Maritime Code for Dangerous Goods
LCx/LDx/LLx = Lethal Concentration/Dose/Loading for x % of a population of test organisms
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEC/NOAEL = No Observed Adverse Effect Concentration/Level
NOEC/NOEL = No Observed Effect Concentration/Level
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, bioaccumulative and toxic
PNEC = Predicted No Effect Concentration
RID = Règlement concernant le transport international ferroviaire des marchandises dangereuses
RCP = reciprocal calculation procedure
S(a/h/ah) (8.1) = risk of sensitisation (of the respiratory tract/of the skin/of the respiratory tract and the skin)
SVHC = Substances of Very high Concern
STEL = Short-Time-Exposure Limit
TRGS = Technical rules for hazardous substances
TWA = Time Weighted Average
VOC = volatile organic compounds
vPvB = very persistent and very bioaccumulative
VwVwS = Administrative regulation of substances hazardous to water
WGK = water hazard class acc. ordinance on facilities for handling substances that are hazardous to water (AwSV)
Y (8.1) = No risk of fetal damage will have to be feared, if the occupational exposure limit values (AGW) and the biological limit values (BGW) are observed.
Z (8.1) = The risk of fetal damage must be feared, even if the occupational exposure limit values (AGW) and the biological limit values (BGW) are observed.

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The classification for health hazards, physicochemical hazards and environmental hazards were derived from a combination of calculation methods and, if available, test data.

16.5 Relevant H- and EUH-phrases (Number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)

ph-cleantec

Trade name : EF-P 2020
degreasing and phosphating agent
Revision date : 27.09.2022
Print date : 27.09.2022

Version (Revision) : 2.1.3 (2.1.2)

mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
