

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 26.01.2020

Version number 107

Revision: 30.07.2019

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

- 1.1 Product identifier

- Trade name Flugrostentferner SC 11910

- Article number: 1000566621000

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

No further relevant information available.

- Application of the substance / the mixture Exterior vehicle cleaner

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Stockmeier Chemie GmbH & Co. KG

Am Stadtholz 37

D - 33609 Bielefeld

Tel.: +49/521/3037-0

- Informing department:

Product safety department. Tel.: 0049 / 521 / 3037-162, 3037-311 or 3037-328

E-mail: ehs-bielefeld@stockmeier.de

- 1.4 Emergency telephone number:

National Poisons Information Service (NPIS) - Emergency call (healthcare professionals): (+44) 844 892 0111 - 0344 892 0111

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Met. Corr.1 H290 May be corrosive to metals.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS05

- Signal word Warning

- Hazard statements

H290 May be corrosive to metals.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

- Precautionary statements

P234 Keep only in original packaging.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P311 Call a POISON CENTER/doctor.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

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- **vPvB**: Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**- **Description**: Mixture of the substances listed below with harmless additions (aqueous solution).- **Dangerous components**:

CAS: 7664-38-2	phosphoric acid	10-25%
EINECS: 231-633-2	Met. Corr. 1, H290; Skin Corr. 1B, H314; Acute Tox. 4, H302	
Reg.nr.: 01-2119485924-24		

- **Additional information** For the wording of the listed hazard phrases refer to section 16.- **Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:

- 15 - 30 % phosphates,
- < 5 % anionic surfactants,
- < 5 % non-ionic surfactants,
- further constituents: inorganic and organic acids.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**- **After inhalation** Supply fresh air; consult doctor in case of symptoms.- **After skin contact**

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

- **After eye contact**

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- **After swallowing**Rinse out mouth and then drink plenty of water.
Do not induce vomiting; instantly call for medical help.- **4.2 Most important symptoms and effects, both acute and delayed**

Burning effect and pain to eyes, skin and mucous membranes. After swallowing serious irritation to oral cavity and throat as well as danger of perforation of the gullet.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**- **Suitable extinguishing agents**Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.- **5.2 Special hazards arising from the substance or mixture**

Reacts with base metals forming readily flammable hydrogen.

- **5.3 Advice for firefighters**- **Protective equipment**:

See section 8.

Wear full protective suit with self-contained breathing apparatus.

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- Additional information

Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment and keep unprotected persons away.

- 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Do not allow product to reach sewage system or water bodies.

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Residues: rinse away with plenty of water.

- 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Avoid contact with eyes and skin.

Prevent formation of aerosols.

Keep containers tightly sealed.

- Information about protection against explosions and fires: No special measures required.**- 7.2 Conditions for safe storage, including any incompatibilities****- Storage** Store in cool, dry conditions in well sealed containers.**- Requirements to be met by storerooms and containers:**

Observe official regulations on storage and handling of water hazardous substances

Store in original containers or in PE-containers.

Do not store together with strong alkali. Unsuitable materials: many metallics and metallic alloys

- Information about storage in one common storage facility: Not required.**- Further information about storage conditions: Keep container tightly sealed.****- Storage class 8 B L (VCI - Konzept, 2007)****- 7.3 Specific end use(s) No further relevant information available.**

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.**- 8.1 Control parameters****- Components with critical values that require monitoring at the workplace:****7664-38-2 phosphoric acid**

WEL	Short-term value: 2 mg/m ³
	Long-term value: 1 mg/m ³

- DNELs**7664-38-2 phosphoric acid**

Inhalative	DNEL (worker)	2.92 mg/m ³ (Long-term - local effects)
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DNEL (population)	0.73 mg/m ³ (Long-term - local effects)
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- **Additional information:** The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Personal protective equipment

- General protective and hygienic measures

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

- **Breathing equipment:** In case of dizzying-dust breathing protection is required

- **Protection of hands:** Acid resistant gloves

- Material of gloves

Butyl rubber, BR

Natural rubber, NR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Tightly sealed safety glasses.

- Body protection:

Standard protective working clothes, chemical resistant safety-shoes or wellingtons. If skin contact is possible, wear impenetrable protective clothing.

Acid resistant protective clothing: apron, boots (made from rubber)

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form: Fluid

Colour: Colourless

- Smell: Weak, characteristic

- Odour threshold: Not determined

- pH-value (10 g/l) at 20 °C: 2.1

- Melting point/freezing point: Not determined

- Initial boiling point and boiling range: > 100 °C

- Flash point: Product is non-flammable nor potentially explosive

- Self-inflammability: Product is not selfigniting.

- Explosive properties: Product is not potentially explosive

- Density at 20 °C 1.12 g/cm³

- Relative density Not determined

- Vapour density Not determined

- Evaporation rate Not determined

- Solubility in / Miscibility with

Water: Fully miscible

- Partition coefficient: n-octanol/water: Not determined

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- | | |
|--------------------------------|--|
| - Viscosity: | |
| dynamic: | Not determined |
| kinematic: | Not determined |
| - 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** see section 10.3
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Exothermic reaction with strong alkalis
Reacts with base metals forming hydrogen
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Bases, base metal
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

7664-38-2 phosphoric acid

Oral	LD50	1,250 mg/kg (rat)
Dermal	LD50	2,740 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

7664-38-2 phosphoric acid

LC 50 / 96 h	98-106 mg/l (<i>Lepomis macrochirus</i>)
EC 50 / 48 h	>100 mg/l (<i>Daphnia magna</i>) (OECD 202)

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EC 50 / 72 h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC / 72 h	100 mg/l (Desmodesmus subspicatus) (OECD 201)

- 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- Ecotoxicological effects:

- **Remark:** Harmful effect on fish, plankton and other waterorganism by pH shift possible.

- Additional ecological information:

- General notes:

The product contains no organic halogen compounds (AOX).

The product contains no organic complexing agents, which are not biodegradable (DOC elimination > 80 % within 28 d)

Water hazard class 1 (Self-assessment): slightly hazardous for water.

- 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

When appropriately used, the product should end up as sewage.

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- Uncleaned packagings:

- Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning.

Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- 14.1 UN-Number

- **ADR, IMDG, IATA**

UN1805

- 14.2 UN proper shipping name

- **ADR**

1805 PHOSPHORIC ACID, SOLUTION

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- IMDG, IATA	PHOSPHORIC ACID, SOLUTION
- 14.3 Transport hazard class(es)	
- ADR	
- Class	8 (C1) Corrosive substances. Corrosive substances.
- Label	8
- IMDG, IATA	
- Class	8 Corrosive substances.
- Label	8
- 14.4 Packing group	
- ADR, IMDG, IATA	III
- 14.5 Environmental hazards:	
- Marine pollutant:	No
- 14.6 Special precautions for user	Warning: Corrosive substances.
- Kemler Number:	80
- EMS Number:	F-A,S-B
- Segregation groups	Acids
- Stowage Category	A
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- Transport category	3
- Tunnel restriction code	E
- IMDG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Código E4 Cantidad neta máxima por envase interior: 30 ml. Cantidad neta máxima por embalaje exterior: 500 ml.
- UN "Model Regulation":	UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning
 - **Hazard statements**
 - H290 May be corrosive to metals.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - **Precautionary statements**
 - P234 Keep only in original packaging.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P311 Call a POISON CENTER/doctor.
 - **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
 - **National regulations**
 - **Information about limitation of use:**
 - Employment restrictions concerning young persons must be observed.
 - **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
-

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Application:** Directions for use: please refer to the Technical Information Sheet
 - **Relevant phrases**
 - Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.
 - H290 May be corrosive to metals.
 - H302 Harmful if swallowed.
 - H314 Causes severe skin burns and eye damage.
 - **Department issuing data specification sheet:** see item 1: Informing department
 - **Abbreviations and acronyms:**
 - RPE: Respiratory Protective Equipment
 - RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 - CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)
 - DNEL: Derived No-Effect Level (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - vPvB: very Persistent and very Bioaccumulative
 - Met. Corr. 1: Corrosive to metals – Category 1
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
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