

**ROTOSTAR Aqua FP 10-41001 Silver**

Version 4.0

Revision Date 20.04.2023

Print Date 22.04.2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : ROTOSTAR Aqua FP 10-41001 Silver  
Material number : 072572HX0

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

This information is not available.

**1.3 Details of the supplier of the safety data sheet**

Company : ECKART GmbH  
Guentersthal 4  
91235 Hartenstein  
Telephone : +499152770  
Telefax : +499152777008  
E-mail address : msds.eckart@altana.com  
Responsible/issuing person

**1.4 Emergency telephone number****NCEC:**

(contract no.: ECKART29003-NCEC)

+44 1235 239671 (Middle East/Africa, call and response in your language)

+1 215 207 0061 (Americas, call and response in your language)

+65 3158 1074 (Asia-Pacific, call and response in your language)

**SECTION 2: Hazards identification****GHS Classification**

: Skin sensitisation, Category 1, H317  
Short-term (acute) aquatic hazard, Category 3, H402  
Long-term (chronic) aquatic hazard, Category 3, H412

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**GHS-Labeling**

Symbol(s)

:



Symbol(s)

:



Signal word

:

Warning  
Warning

Hazard statements

:

 H315: Causes skin irritation.  
 H319: Causes serious eye irritation.  
 H317: May cause an allergic skin reaction.  
 H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

:

**Prevention:**  
 P264 Wash skin thoroughly after handling.  
 P280 Wear eye protection/ face protection.  
 P280 Wear protective gloves.  
 P261 Avoid breathing mist or vapours.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves.

**Response:**  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P333 + P317 If skin irritation or rash occurs: Get medical help.

**Disposal:**

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P501 Dispose of contents/ container to an approved waste disposal plant.

### Hazardous components which must be listed on the label

Identification	CAS-No.
Phosphoric acid, mono- and bis(C16-20-branched and linear alkyl) esters	97468-33-2

## SECTION 3: Composition/information on ingredients

Substance No. :

### Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;H228	10 - 20
Phosphoric acid, mono- and bis(C16-20-branched and linear alkyl) esters	97468-33-2 946-101-1	Skin Sens.;1B;H317 Aquatic Chronic;4;H413	1 - 2,5
ethanol	64-17-5 200-578-6	Flam. Liq.;2;H225 ;2A;H319	1 - 10
sodium hydroxide	1310-73-2 215-185-5	Met. Corr.;1;H290 Acute Tox.;4;H302 Acute Tox.;4;H312	1 - 10
sodium 1,4-diisodecyl sulphonatosuccinate	29857-13-4 249-894-6	;2;H315 ;1;H318	0,25 - 1

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		Aquatic Acute;1;H400 Aquatic Chronic;1;H410	
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For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice	: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Move the victim to fresh air.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes. Wash off immediately with soap and plenty of water.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Immediately flush eye(s) with plenty of water.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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

This information is not available.

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

This information is not available.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media : Dry sand, ABC powder, Foam

Unsuitable extinguishing media : Water, Carbon dioxide (CO<sub>2</sub>)**5.2 Special hazards arising from the substance or mixture**

This information is not available.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**Personal precautions : Use personal protective equipment.  
Evacuate personnel to safe areas.**6.2 Environmental precautions**Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

The product should not be allowed to enter drains, water

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courses or the soil.

**6.3 Methods and materials for containment and cleaning up**

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
 Do not flush with water.  
 Keep in suitable, closed containers for disposal.  
 Use mechanical handling equipment.  
 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**6.4 Reference to other sections**

For personal protection see section 8.

**SECTION 7: Handling and storage**
**7.1 Precautions for safe handling**

Advice on safe handling : Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

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Earthing of containers and apparatuses is essential. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container.

Advice on common storage : Do not store near acids. Do not store together with oxidizing and self-igniting products. Keep away from oxidizing agents and strongly acid or alkaline materials. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Other data : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

This information is not available.

**SECTION 8: Exposure controls/personal protection**
**8.1 Control parameters**
**Germany:**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium	7429-90-5	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup>	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance			

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		values, there is no risk of harming the unborn child			
ethanol	64-17-5	AGW	200 ppm 380 mg/m <sup>3</sup>	2018-06-07	DE TRGS 900
Peak-limit: excursion factor (category)		4;(II)			
Further information		Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission). When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

## 8.2 Exposure controls

### Personal protective equipment

- Eye protection : Wear face-shield and protective suit for abnormal processing problems.  
: Goggles
- Hand protection
- Material : Solvent-resistant gloves (butyl-rubber)
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.  
: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Recommended preventive skin protection  
Skin should be washed after contact.  
The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Skin and body protection : Choose body protection according to the amount and



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Respiratory protection : concentration of the dangerous substance at the work place.  
: Use suitable breathing protection if workplace concentration requires.

**Environmental exposure controls**

General advice : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
: The product should not be allowed to enter drains, water courses or the soil.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance : liquid  
Colour : silver  
Odour : characteristic  
pH : 6 - 8, 100 %  
  
Freezing point : No data available  
Boiling point/boiling range : 100 °C  
Flash point : > 100 °C  
  
Bulk density : No data available  
Flammability (solid, gas) : No data available  
Auto-flammability : No data available  
Upper explosion limit : No data available  
Lower explosion limit : No data available  
Vapour pressure : No data available

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Density	: No data available
Water solubility	: No data available
Miscibility with water	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: No data available

**9.2 Other information**

No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No decomposition if stored and applied as directed.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Stable under recommended storage conditions.

Contact with acids and alkalis may release hydrogen.

**10.4 Conditions to avoid**Conditions to avoid : No data available  
Do not allow evaporation to dryness.

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### 10.5 Incompatible materials

Materials to avoid : Acids  
Bases  
Oxidizing agents

### 10.6 Hazardous decomposition products

Other information : No data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Components:

##### ethanol :

Acute oral toxicity : LD50 Rat, male and female: 10 470 mg/kg

Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 Rat, male and female: 124,7 mg/l

Exposure time: 4 h

Test atmosphere: vapour

Method: OECD Test Guideline 403

#### Skin corrosion/irritation

##### Product

May cause skin irritation and/or dermatitis.

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**Serious eye damage/eye irritation****Product**

Eye irritation

**Respiratory or skin sensitisation****Product**

Causes sensitisation.

May cause sensitisation of susceptible persons by skin contact.

**Carcinogenicity**

No data available

**Toxicity to reproduction/fertility**

No data available

**Reprod.Tox./Development/Teratogenicity**

No data available

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

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**Further information****Product**

No data available

**SECTION 12: Ecological information****12.1 Toxicity****Components:****Phosphoric acid, mono- and bis(C16-20-branched and linear alkyl) esters (97468-33-2) :****Ecotoxicology Assessment**

Long-term (chronic) aquatic hazard : May cause long lasting harmful effects to aquatic life.

**sodium 1,4-diisodecyl sulphonatosuccinate (29857-13-4) :****Ecotoxicology Assessment**

Short-term (acute) aquatic hazard : Very toxic to aquatic life.

Long-term (chronic) aquatic hazard : Very toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

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**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects****Product:**Additional ecological information : No data available

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
In accordance with local and national regulations.

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**SECTION 14: Transport information****14.1 UN number****ADR**

Not dangerous goods

**TDG**

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Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

:

**IATA**

: Not permitted for transport

**14.2 Proper shipping name****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

:

Not permitted for transport

**14.3 Transport hazard class****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

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**IATA** : Not permitted for transport

### 14.4 Packing group

**ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

**(Cargo)** : Not permitted for transport

**(Passenger)** : Not permitted for transport

### 14.5 Environmental hazards

### 14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available



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**SECTION 15: Regulatory information**
**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Banned and/or restricted (aluminium powder (stabilised)) (Phosphoric acid, mono- and bis(C16-20-branched and linear alkyl) esters) (ethanol) (polypropylene glycol)

**15.2 Chemical safety assessment**

No data available

**SECTION 16: Other information**
**Full text of H-Statements**

H225	: Highly flammable liquid and vapour.
H228	: Flammable solid.
H290	: May be corrosive to metals.
H302	: Harmful if swallowed.

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H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H400	: Very toxic to aquatic life.
H402	: Harmful to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.