Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

# ROTOSTAR Aqua FPG 74013 Pale Gold

Version 5.0	Revision Date 15.08.2023	Print Date 16.08.2023

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

### **1.1 Product identifier**

Trade name	:	ROTOSTAR Aqua FPG 74013 Pale Gold
Material number	:	025853QQ0

#### 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**

: Acute toxicity, Category 4, Oral, H302 Serious eye damage/eye irritation, Category 2A, H319 Short-term (acute) aquatic hazard, Category 1, H400

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	Long-term (chronic	) aquatic hazard, Ca	ategory 1, H410
GHS-Labelling			
Symbol(s)		2	
Signal word	: Warning		
Hazard statements	: H302: Harmful if sv H319: Causes serie H410: Very toxic to		g lasting effects.
Precautionary statements	<ul> <li>P270 Do not eat,</li> <li>P273 Avoid relea</li> <li>P280 Wear eye p</li> <li>Response:</li> <li>P301 + P317 + P33</li> <li>Rinse mouth.</li> <li>P305 + P351 + P33</li> <li>water for several m</li> <li>and easy to do. Co</li> <li>P337 + P317 If e</li> <li>P391 Collect spil</li> <li>Disposal:</li> </ul>	<ul> <li>se to the environme protection/ face prote</li> <li>IF SWALLOW</li> <li>IF IN EYES: R</li> <li>inutes. Remove conntinue rinsing.</li> <li>eye irritation persists</li> <li>lage.</li> </ul>	en using this product. ent. ection. ED: Get medical help. inse cautiously with ntact lenses, if present
Hazardous components w	ch must be listed on	the label	
Identification copper	CAS-N 7440-5		

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### **SECTION 3: Composition/information on ingredients**

:

Substance No.

### Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
copper	7440-50-8 231-159-6	Acute Tox.;4;H302 Eye Dam./Irrit.;2A;H319 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	25 - 50
zinc	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	2,5 - 10
propane-1,2-diol	57-55-6 200-338-0	Acute Tox.;5;H313	1 - 10
octadecylamine	124-30-1 204-695-3	Skin Corr./Irrit.;2;H315 Eye Dam./Irrit.;1;H318 STOT RE;2;H373 Asp. Tox.;1;H304 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	0,25 - 1

For the full text of the H-Statements mentioned in this Section, see Section 16.

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### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice	: Move the victim to fresh air.
	Move out of dangerous area.
	Show this safety data sheet to the doctor in attendance.
If inhaled	: If unconscious, place in recovery position and seek medical advice.
	If symptoms persist, call a physician.
In case of skin contact	: 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 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.

### **SECTION 5: Firefighting measures**

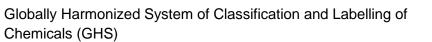
### 5.1 Extinguishing media

Suitable extinguishing media	:	Special powder against metal fire, Dry sand, ABC powder
Unsuitable extinguishing media	:	Water, High volume water jet, Carbon dioxide (CO2)

#### 5.2 Special hazards arising from the substance or mixture

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	Specific hazards during firefighting	:	Do not allow run-off from fire fighting to ente	er drains or water	
5.3	Advice for firefighters				
	Special protective equipment : for firefighters		Wear self-contained breathing apparatus fo necessary.	r firefighting if	
	Further information	:	Standard procedure for chemical fires.		
			Collect contaminated fire extinguishing wate must not be discharged into drains. Fire res contaminated fire extinguishing water must accordance with local regulations.	idues and	

### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Evacuate personnel to safe are Ensure adequate ventilation. Use personal protective equipr	
6.2 Environmental precautions		
Environmental precautions	: The product should not be allo courses or the soil.	wed to enter drains, water
	Prevent product from entering Prevent further leakage or spill If the product contaminates rive respective authorities.	age if safe to do so.
6.3 Methods and materials for co	ontainment and cleaning up	
Methods for cleaning up	: Use mechanical handling equip Pick up and transfer to properly Do not flush with water.	
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Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

7.2

Advice on safe handling	:	Do not breathe vapours/dust. 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.
Advice on protection against fire and explosion	:	Keep away from heat and sources of ignition. No smoking.
		Normal measures for preventive fire protection.
Hygiene measures	:	General industrial hygiene practice.
		When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.
Conditions for safe storage, including any incompatibilities		

#### Requirements for storage areas and containers : Keep away from sources of ignition - No smoking. Do not store near combustible materials. Keep containers tightly closed in a cool, well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.

Keep container tightly closed in a dry and well-ventilated

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	place. Containers which are opened m resealed and kept upright to prevent le installations / working materials must c technological safety standards.	akage. Electrical
Further information on storage conditions	: Protect from humidity and water.	
Advice on common storage	: Keep away from oxidizing agents, stro strongly acid materials in order to avoid Do not store together with oxidizing an	d exothermic reactions.
Dampness	: Keep in a dry, cool and well-ventilated	place.
Other data	: No decomposition if stored and applied	d 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
copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
zinc	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further informa	ation	When there is compliance with the OEL and biological tolerand values, there is no risk of harming the unborn child		cal tolerance	

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zinc	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	When there is compliance with the OEL and biological to values, there is no risk of harming the unborn child		cal tolerance	

### 8.2 Exposure controls

Personal protective equipm	nent		
Eye protection	:	Safety glasses	
	:	Wear face-shield and protective suit for abnormal processing problems.	
Hand protection			
Material	:	Solvent-resistant gloves (butyl-r	ubber)
Remarks	:	Take note of the information given by the producer concernin permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).	
		The exact break through time caprotective glove producer and the	
		Please observe the instructions breakthrough time which are pro- gloves. Also take into considera conditions under which the pro- danger of cuts, abrasion, and the	bvided by the supplier of the tion the specific local duct is used, such as the
		Recommended preventive skin	protection
		Skin should be washed after co	ntact.
		The suitability for a specific workplace should be discussed with the producers of the protective gloves.	
	:	The suitability for a specific wor with the producers of the protect	
Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.	
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Respiratory protection	: Use suitable breathing protection if workpla requires.	ace concentration
	Equipment should conform to EN 14387	
Environmental exposure cont	trols	
General advice	<ul> <li>The product should not be allowed to enter courses or the soil.</li> <li>Prevent product from entering drains. Prevent further leakage or spillage if safe t</li> </ul>	o do so.
	If the product contaminates rivers and lake respective authorities.	s or drains inform

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance	: liquid	
Appearance		
Colour	: gold	
Odour	: characteristic	
рН	: 6 - 8, 100 %	
Melting point/range	: Not applicable	
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	: 1,4 - 1,6 g/cm3
Solubility(ies)	
Water solubility	: insoluble
Miscibility with water	: partly miscible
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.
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No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid	: Do not allow evaporation to dryness.		
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	No data available	
10.5 Incompatible materials		
Materials to avoid	: No data available	
10.6 Hazardous decomposition	products	
Hazardous decomposition products	:	
Other information	: Carbon monoxide, carbon dioxide an hydrocarbons (smoke).	d unburned
SECTION 11: Toxicological i	nformation	
11.1 Information on toxicologic	al effects	
Acute toxicity		

### **Components:**

CO	nr	b	r	
CO	ЧΝ	76		

Acute oral toxicity	: The component/mixture is moderately toxic after single
	ingestion.

### propane-1,2-diol :

Acute oral toxicity	: LD50 Rat: >22 000 mg/kg
Acute dermal toxicity	: LD50 Rabbit: > 2 000 mg/kg

### Skin corrosion/irritation

### Product

May cause skin irritation in susceptible persons.

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### Serious eye damage/eye irritation

### Product

Eye irritation

### Respiratory or skin sensitisation

No data available

### 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

#### **Further information**

### Product

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No data available

### **SECTION 12: Ecological information**

### 12.1 Toxicity

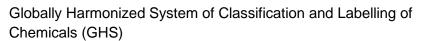
<u>Components:</u> copper (7440-50-8) :	
M-Factor Ecotoxicology Assessment	: 10
Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard <b>zinc (7440-66-6) :</b>	: Very toxic to aquatic life with long lasting effects.
Ecotoxicology Assessment	
Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.
propane-1,2-diol (57-55-6) :	
Toxicity to daphnia and other aquatic invertebrates <b>octadecylamine</b> ( <b>124-30-1) :</b>	: (Daphnia magna (Water flea)): > 10 000 mg/l
M-Factor Ecotoxicology Assessment	: 10
Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.
2 Paraistance and degradabilit	M.

### 12.2 Persistence and degradability

No data available

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### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

### Product:

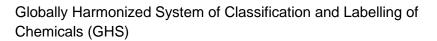
Additional ecological	:	An environmental hazard cannot be excluded in the event of
information		unprofessional handling or disposal., Very toxic to aquatic life
		with long lasting effects.

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product Contaminated packaging	<ul> <li>The product should not be allow courses or the soil.</li> <li>Do not contaminate ponds, wate chemical or used container.</li> <li>Send to a licensed waste manage In accordance with local and nat</li> <li>Empty remaining contents.</li> <li>Dispose of as unused product.</li> </ul>	erways or ditches with gement company.
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Do not re-use empty containers. In accordance with local and national regulations.

### **SECTION 14: Transport information**

: 3082
: 3082
: 3082
: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Copper metal powder)
: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(,Copper metal powder)
: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Copper metal powder)

### 14.3 Transport hazard class





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ADR	: 9	
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG	: 9	
ΙΑΤΑ	: 9	
14.4 Packing group		
ADR		
Packaging group	: 111	
Classification Code	: M6	
Hazard Identification Number	: 90	
Labels	: 9	
Tunnel restriction code	: (-)	
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG		
Packaging group	: III	
Labels	: 9	
ΙΑΤΑ		
Packing instruction (cargo aircraft)	: 964	
Packing instruction (passenger aircraft)	: 964	
Packing instruction (LQ)	: Y964	
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Packaging group	: 111
Labels	: 9
14.5 Environmental hazards	
ADR	: Environmentally hazardous
IMDG	: Marine pollutant

### 14.6 Special precautions for user

For single packagings <=5L / 5 kg, or combination packagings containing inner packagings <= 5L / 5 kg net per inner packaging, SV375 ADR, 2.10.2.7 IMDG-Code, A197 IATA-DGR may be applied.

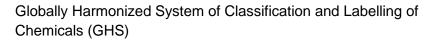
### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

### **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	: Not applicable
(Annex XIV)	
Regulation (EC) No 1005/2009 on substances that	: Not applicable
deplete the ozone layer	
Regulation (EU) 2019/1021 on persistent organic	: Not applicable
pollutants (recast)	
REACH - Restrictions on the manufacture, placing on	:
the market and use of certain dangerous substances,	
mixtures and articles (Annex XVII)	



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### 15.2 Chemical safety assessment

No data available

### **SECTION 16: Other information**

#### **Full text of H-Statements**

H302	: Harmful if swallowed.	
H304	: May be fatal if swallowed and enters airways.	
H313	May be harmful in contact with skin.	
H315	Causes skin irritation.	
H318	: Causes serious eye damage.	
H319	: Causes serious eye irritation.	
H373	: May cause damage to organs through prolonged or repeated exposure if swallowed.	
H400	: Very toxic 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.

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