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

ROTOSAFE 700 823 Pale Gold

Version 2.0

Revision Date 29.10.2020

Print Date 04.03.2022

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

1.1 Product identifier

Trade name	:	ROTOSAFE 700 823 Pale Gold
Material number	:	071332C60

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 haza	rd, Category 1, H410
GHS-Labelling		
Symbol(s)		
Signal word	: Warning	
Hazard statements	 H302: Harmful if swallowed. H319: Causes serious eye irritation H410: Very toxic to aquatic life with the series of t	
Precautionary statements	Rinse mouth. P305 + P351 + P338 IF IN EY water for several minutes. Remov and easy to do. Continue rinsing. P337 + P317 If eye irritation pe P391 Collect spillage. Disposal:	te when using this product. ronment. e protection. LLOWED: Get medical help. ES: Rinse cautiously with ve contact lenses, if present
-	ich must be listed on the label	
Identification copper	CAS-No. 7440-50-8	

Other hazards which do not result in classification

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Combustible Solids

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 ;2A;H319 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	50 - 100
zinc powder — zinc dust (stabilised)	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	2,5 - 10
octadecylamine	124-30-1 204-695-3	STOT RE;2;H373 Asp. Tox.;1;H304 Eye Dam.;1;H318 Aquatic Acute;1;H400 Aquatic Chronic;1;H410 Skin Irrit.;2;H315	0,25 - 1

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

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

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 : Water, High volume water jet

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media

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
		Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
		Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

: Use personal protective equipment. Evacuate personnel to safe areas. Use personal protective equipment. Avoid dust formation.
Avoid breathing dust.

6.2 Environmental precautions

Environmental precautions	: Prevent product from entering drains.
	Prevent further leakage or spillage if safe to do so.

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If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Use mechanical handling equipment.
	Pick up and transfer to properly labelled containers.
	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

Advice on safe handling	:	 Avoid creating dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. 		
		Avoid formation of respirable pa vapours/dust. Avoid contact wit protection see section 8. Smok be prohibited in the application accordance with local and natio	h skin and eyes. For personal ing, eating and drinking should area. Dispose of rinse water in	
Advice on protection against fire and explosion	:	: Normal measures for preventive fire protection.		
		Avoid dust formation. Provide a at places where dust is formed.		
Hygiene measures	:	: General industrial hygiene practice. Do not smoke. Wash hands before breaks and at the end of workday. Keep away from food and drink. Keep away from tobacco products.		
		When using do not eat or drink.	When using do not smoke.	
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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	:	Electrical installations / working materials must comply with the technological safety standards.
		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 place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
Further information on storage conditions	:	Protect from humidity and water.
Advice on common storage	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Do not store together with oxidizing and self-igniting products.
Dampness	:	Keep in a dry, cool and well-ventilated place.
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

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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 powder — zinc dust (stabilised)	7440-66-6	AGW (Inhalable fraction)	0		DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	Further information		dangerous substan ounds at the work pl on).		
zinc powder — zinc dust (stabilised)	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
revie			dangerous substan ounds at the work pl on).		

United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Copper	7440-50-8	TWA	1 mg/m3	2008-01-01	
Copper	7440-50-8	TWA (dust and mists)	1 mg/m3	2005-09-01	
Copper	7440-50-8	TWA	1 mg/m3	1989-01-19	
Copper	7440-50-8	TWA	0,2 mg/m3	2008-01-01	
Copper	7440-50-8	TWA	0,1 mg/m3	1989-01-19	
Copper	7440-50-8	TWA (Dust and	1 mg/m3	2010-03-01	
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		mist)		
Copper	7440-50-8	TWA (Fumes)	0,2 mg/m3	2010-03-01
Copper	7440-50-8	TWA (Dust)	1 mg/m3	2013-10-08
Copper	7440-50-8	TWA (Mist)	1 mg/m3	2013-10-08
Copper	7440-50-8	TWA (dusts and mists)	1 mg/m3	2011-07-01
Copper	7440-50-8	TWA (Fumes)	0,1 mg/m3	2011-07-01
Copper	7440-50-8	TWA (Fumes)	0,1 mg/m3	1989-01-19
Copper	7440-50-8	TWA (Dust and mist)	1 mg/m3	1989-01-19
Copper	7440-50-8	PEL (Fumes)	0,1 mg/m3	2014-11-26
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (total dust)	50 Million particles per cubic foot	2012-07-01
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (total dust)	15 mg/m3	2012-07-01
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (respirable fraction)	5 mg/m3	2012-07-01
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01
zinc powder — zinc dust (stabilised)	7440-66-6	PEL (Total dust)	10 mg/m3	2014-11-26
zinc powder — zinc dust (stabilised)	7440-66-6	PEL (respirable dust fraction)	5 mg/m3	2014-11-26

8.2 Exposure controls

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	F	Respirator with a dust filter	
Respiratory protection		Jse suitable breathing protectio equires.	n if workplace concentration
		Choose body protection accordi concentration of the dangerous	
		Dust impervious protective suit	
Skin and body protection		Long sleeved clothing Safety shoes	
	v	The suitability for a specific work with the producers of the protec	
	•	protective glove producer and the Recommended preventive skin	
		The exact break through time ca	
	it	The choice of an appropriate glo ts material but also on other qu rom one producer to the other.	
Remarks	: L	eather gloves	
Hand protection Material	: L	Leather	
	٧	Fightly fitting safety goggles Wear face-shield and protective problems.	suit for abnormal processing
	_		
Eye protection		Safety glasses	
Personal protective equipme	ont		

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	P1 filter		
Environmental exposure con General advice			
	: Prevent product from entering drains Prevent further leakage or spillage if If the product contaminates rivers and respective authorities.	safe to do so.	
Water	 The product should not be allowed to courses or the soil. : 	enter drains, water	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	pellets
Colour	:	gold
Odour	:	odourless
рН	:	No data available
Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Bulk density	:	No data available
Flammability (solid, gas)	:	Combustible Solids

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Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: No data available
Solubility(ies)	
Water solubility	: insoluble
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. No decomposition if stored and applied as directed.

10.2 Chemical stability

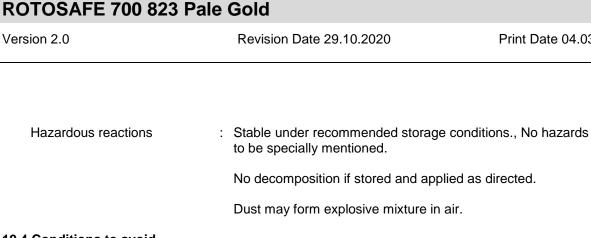
No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

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10.4 Conditions to avoid

Conditions to avoid	: No data available

No data available

10.5 Incompatible materials

Materials to avoid	: No data available
--------------------	---------------------

10.6 Hazardous decomposition products

Hazardous decomposition products	: No data available
Other information	: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

Copper:

Acute oral toxicity

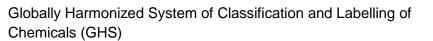
: The component/mixture is moderately toxic after single ingestion.

zinc powder — zinc dust (stabilised) :

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Acute oral toxicity

: Rat: > 2 000 mg/kg

Skin corrosion/irritation

Product

May cause skin irritation in susceptible persons.

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

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Aspiration toxicity

No data available

Further information

Product

No data available

SECTION 12: Ecological information

12.1 Toxicity

M-Factor Ecotoxicology Assessment	: 10
Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard zinc (7440-66-6) :	: 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 octadecylamine (124-30-1) :	: Very toxic to aquatic life with long lasting effects.
M-Factor	: 10

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.

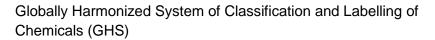
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: The product should not be allowed to enter drains, water
courses or the soil.
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.

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Dispose of as unused product. Do not re-use empty containers. In accordance with local and national regulations.

SECTION 14: Transport information

14.1 UN number	
ADR	: 3077
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: 3077
ΙΑΤΑ	: 3077
14.2 Proper shipping name	
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(Copper metal powder)
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(,Copper metal powder)
ΙΑΤΑ	 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(Copper metal powder)

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14.3 Transport hazard class

The Transport nazara elabe		
ADR	:	9
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG	:	9
ΙΑΤΑ	:	9
14.4 Packing group		
ADR		
Packaging group	:	III
Classification Code	:	M7
Hazard Identification Number	:	90
Labels	:	9
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG		
Packaging group	:	III
Labels	:	9
EmS Number	:	F-A, S-F
ΙΑΤΑ		
Packing instruction (cargo aircraft)	:	956
Packing instruction (passenger aircraft)	:	956

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Packing instruction (LQ)	: Y956
Packaging group	: 111
Labels	: 9
14.5 Environmental hazards	
IMDG	: Marine pollutant
ADR	: Environmentally hazardous

14.6 Special precautions for user

IMDG Code- segregation group:

: IMDG Code segregation group 7 - Heavy metals and their salts

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).	
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

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REACH - Restrictions on the manufacture, placing on : Not applicable the market and use of certain dangerous substances, preparations and articles (Annex XVII)

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

	Harmful if swallowed.
	May be fatal if swallowed and enters airways. Causes skin irritation.
	Causes serious eye damage.
H319 :	Causes serious eye irritation.
H373 :	May cause damage to organs through prolonged or repeated exposure if swallowed.
	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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