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

ROTOSAFE 700 021 Rich Gold

Version 4.0

Revision Date 24.02.2023

Print Date 25.02.2023

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

1.1 Product identifier

Trade name	:	ROTOSAFE 700 021 Rich Gold
Material number	:	079865C60

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

Page 1 / 20	102000020165	A member of C ALTANA
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Globally Harmonized System of Classification and Labelling of Chemicals (GHS)



ROTOSAFE 700 021 Rich Gold

rsion 4.0	Revision Date 24.02.2023	Print Date 25.02.2023
	Long-term (chronic) aquatic haza	ard, Category 1, H410
GHS-Labelling		
Symbol(s)		
Signal word	: Warning	
Hazard statements	: H302: Harmful if swallowed. H319: Causes serious eye irritati H410: Very toxic to aquatic life w	
Precautionary statements	Rinse mouth. P305 + P351 + P338 IF IN EY water for several minutes. Remo and easy to do. Continue rinsing P337 + P317 If eye irritation po P391 Collect spillage. Disposal:	ke when using this product. ironment. e protection. LLOWED: Get medical help. 'ES: Rinse cautiously with ve contact lenses, if present
Hazardous components w	ich must be listed on the label	
Identification copper	CAS-No. 7440-50-8	

Other hazards which do not result in classification

Page 2 / 20	102000020165	A member of C ALTANA
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Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023

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	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	25 - 50
octadecylamine	124-30-1 204-695-3	;2;H315 ;1;H318 STOT RE;2;H373 Asp. Tox.;1;H304 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	0,25 - 1

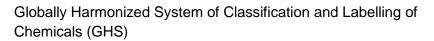
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Page 3 / 20	102000020165	A member of C ALTANA
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ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023
General advice	: Move the victim to fresh air.	
	Move out of dangerous area. Show this safety data sheet to the doo	ctor in attendance.
If inhaled	: If unconscious, place in recovery posi advice. If symptoms persist, call a physician.	tion and seek medical
In case of skin contact	: Wash off immediately with soap and p	plenty of water.
In case of eye contact	 Immediately flush eye(s) with plenty o Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a spece 	
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverage Never give anything by mouth to an u 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

16	e 4 / 20		102000020165	
	Unsuitable extinguishing	:	Water, High volume water jet	
			Special powder against metal fi	re, Dry sand, ABC powder
	Suitable extinguishing media	:	Special powder against metal fi	re, Dry sand, ABC powder

Page 4 / 20	102000020165	A member of C ALTANA
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Globally Harmonized System of Classification and Labelling of Chemicals (GHS)



ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023
media		
	Water, High volume water jet, Carbon	dioxide (CO2)
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 apparat necessary.	us for firefighting if
Further information	: Standard procedure for chemical fires.	
	Collect contaminated fire extinguishing must not be discharged into drains. Fir contaminated fire extinguishing water r accordance with local regulations.	e residues and

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. Use personal protective equipment.
	Avoid dust formation. Avoid breathing dust.

6.2 Environmental precautions

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

Prevent product from entering drains.

Page 5 / 20	102000020165	A member of C ALTANA

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



ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023
	Prevent further leakage or spillage if a lift the product contaminates rivers and respective authorities.	
6.3 Methods and materials for co	ontainment and cleaning up	
Methods for cleaning up	: Use mechanical handling equipment.	
	Pick up and transfer to properly label	led containers.
	Keep in suitable, closed containers fo	or disposal.
6 4 Pataranca to other sections		

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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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.		end of workday. Keep away
		Avoid dust formation. Provide a at places where dust is formed.	
Advice on protection against fire and explosion	: Normal measures for preventive fire protection.		e fire protection.
		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 safe handling	:	: Avoid creating dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.	

Page 6 / 20 102000020165	A member of C ALTANA
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Globally Harmonized System of Classification and Labelling of Chemicals (GHS)



ROTOSAFE 700 021 Rich Gold

Version 4.0		Revision Date 24.02.2023	Print Date 25.02.2023	
		When using do not eat or drink. When us Wash hands before breaks and at the end		
7.2 Conditions for safe storage, i	inc	luding 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 s store near combustible materials. Keep c closed in a cool, well-ventilated place. To quality, do not store in heat or direct sunli	ontainers tightly maintain product	
		Keep container tightly closed in a dry and place. Containers which are opened mus resealed and kept upright to prevent leak installations / working materials must con technological safety standards.	t be carefully age. Electrical	
Further information on storage conditions	:	Protect from humidity and water.		
Advice on common storage	:	Keep away from oxidizing agents, strongl strongly acid materials in order to avoid e Do not store together with oxidizing and s	xothermic reactions.	
Dampness	:	Keep in a dry, cool and well-ventilated pla	ace.	
Other data	:	No decomposition if stored and applied a	s directed.	

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Page 7 / 20	102000020165	A member of C ALTANA
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Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOSAFE 700 021 Rich Gold

Version 4.0

Revision Date 24.02.2023

Print Date 25.02.2023

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	Further information		ompliance with the on risk of harming the one of the other the oth		cal tolerance		
zinc	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900		
Peak-limit: excursion factor (category)		2;(II)					
Further information			ompliance with the on no risk of harming the		cal tolerance		

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 mist)	1 mg/m3	2010-03-01	
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	
8 / 20		1020	000020165	A mem	oer of C ALTAI



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

ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023

i i	i i	Ì	1	
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	PEL (Fumes)	0,1 mg/m3	2014-11-26
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
zinc	7440-66-6	TWA (total dust)	50 Million particles per cubic foot	2012-07-01
zinc	7440-66-6	TWA (total dust)	15 mg/m3	2012-07-01
zinc	7440-66-6	TWA (respirable fraction)	5 mg/m3	2012-07-01
zinc	7440-66-6	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01
zinc	7440-66-6	PEL (Total dust)	10 mg/m3	2014-11-26
zinc	7440-66-6	PEL (respirable dust fraction)	5 mg/m3	2014-11-26

8.2 Exposure controls

Eye protection

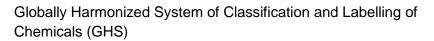
: Eye wash bottle with pure water Goggles

: Safety glasses

: Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

Page 9 / 20	102000020165	A member of 🜔 ALTANA
		 Comparison Comparison Constraints System 12 (2010) And 12 (2010)

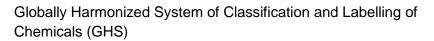




ROTOSAFE 700 021 Rich Gold

/ersion 4.0		4.0 Revision Date 24.02.2023	
		problems.	
Hand protection			
Material	:	Leather	
Remarks	:	Leather gloves	
		The choice of an appropriate glove doe its material but also on other quality fea from one producer to the other.	
		The exact break through time can be or protective glove producer and this has	
		Recommended preventive skin protect	
	:	The suitability for a specific workplace with the producers of the protective glo	
Skin and body protection	:	Long sleeved clothing	
		Safety shoes	
	:	Dust impervious protective suit	
		Choose body protection according to the concentration of the dangerous substa	
Respiratory protection	:	Use suitable breathing protection if wo requires.	rkplace concentration
		Respirator with a dust filter P1 filter	
Environmental exposure of	contro		anter dreine weter
General advice	:	The product should not be allowed to e courses or the soil.	enter drains, water
		102000020165	

Page 10 / 20	102000020165	A member of C ALTANA
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ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023
	: Prevent product from entering drains.	

Prevent forduct 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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	pellets	
Colour	:	gold	
Odour	:	odourless	
рН	:	substance/mixture	is non-soluble (in water)
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	3
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	
Water solubility	:	No data available	
Miscibility with water	:	immiscible	
Solubility in other solvents	:	No data available	
Partition coefficient: n-octanol/	water :	No data available	
Page 11 / 20	1020	00020165	A member of C ALTANA

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

ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023

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., No hazards to be specially mentioned.
		No decomposition if stored and applied as directed.
		Dust may form explosive mixture in air.
10.4 Conditions to avoid		
Conditions to avoid	:	No data available
		No data available

10.5 Incompatible materials

Page 12 / 20	102000020165	A member of 🜔 ALTANA





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

ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023	
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.

Skin corrosion/irritation

Product

May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

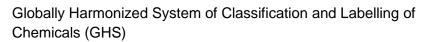
Product

Eye irritation

Respiratory or skin sensitisation

No data available

Page 13 / 20	102000020165	A member of C ALTANA
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ROTOSAFE 700 021 Rich Gold

Version 4.0

Revision Date 24.02.2023

Print Date 25.02.2023

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

No data available

SECTION 12: Ecological information

12.1 Toxicity

Page 14 / 20	102000020165	A member of C ALTANA





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

ROTOSAFE 700 021 Rich Gold

Revision Date 24.02.2023

Print Date 25.02.2023

<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 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 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.
12.2 Persistence and degradabili	ty	

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Page 15 / 20	102000020165	A member of C ALTANA
--------------	--------------	-----------------------------

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

ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023

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. 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		



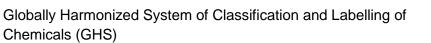


Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023
Not dangerous goods		
CFR		
Not dangerous goods IMDG	: 3077	
	: 3077	
	. 3077	
14.2 Proper shipping name ADR	: ENVIRONMENTALLY HAZARDO N.O.S.	OUS SUBSTANCE, SOLID,
	(Copper metal powder)	
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG	: ENVIRONMENTALLY HAZARDO N.O.S.	OUS SUBSTANCE, SOLID,
	(,Copper metal powder)	
ΙΑΤΑ	: ENVIRONMENTALLY HAZARDO N.O.S.	OUS SUBSTANCE, SOLID,
	(Copper metal powder)	
14.3 Transport hazard class		
ADR	: 9	
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG	: 9	
ΙΑΤΑ	: 9	
14.4 Packing group		

Page 17 / 20	102000020165	A member of C ALTANA
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ROTOSAFE 700 021 Rich Gold

Version 4.0	Revision Date 24.02.2023	Print Date 25.02.2023

ADR

	Packaging group	:	III
	Classification Code	:	M7
	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)	:	956
	Packing instruction (passenger aircraft)	:	956
	Packing instruction (LQ)	:	Y956
	Packaging group	:	III
	Labels	:	9
14.5 Environmental hazards			
	IMDG	:	Marine pollutant
	ADR	:	Environmentally hazardous

14.6 Special precautions for user

Page 18 / 20	102000020165	A member of C ALTANA
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Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOSAFE 700 021 Rich Gold

Version 4.0

Revision Date 24.02.2023

Print Date 25.02.2023

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).	: 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)	: Not applicable

15.2 Chemical safety assessment

No data available

Page 19 / 20	102000020165	A member of O ALTANA
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Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

ROTOSAFE 700 021 Rich Gold

Version 4.0

Revision Date 24.02.2023

Print Date 25.02.2023

SECTION 16: Other information

Full text of H-Statements		
H302	:	Harmful if swallowed.
H304	:	May be fatal if swallowed and enters airways.
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.

Page 20 / 20	102000020165	A member of C ALTANA
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