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

### **ROTOFLEX XA 8-209 Rich Gold**

Version 2.0

Revision Date 09.12.2019

Print Date 21.02.2022

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

#### **1.1 Product identifier**

Trade name	:	ROTOFLEX XA 8-209 Rich Gold
Material number	:	024473C20

#### 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**

: Flammable solids, Category 1, H228 Acute toxicity, Category 4, Oral, H302 Serious eye damage/eye irritation, Category 2A, H319

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copper

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	Short-term (acute) aquatic hazaro Long-term (chronic) aquatic haza	
GHS-Labelling		
Symbol(s)		
Signal word	: Danger	
Hazard statements	<ul> <li>H228: Flammable solid.</li> <li>H302: Harmful if swallowed.</li> <li>H319: Causes serious eye irritation</li> <li>H410: Very toxic to aquatic life with the series of the ser</li></ul>	
Precautionary statements	powder for metal fires. P370 + P378 In case of fire: Us <b>Disposal:</b>	s. No smoking. ronment. protective clothing/ eye
-	hich must be listed on the label	
Identification	CAS-No.	

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7440-50-8

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

Substance name: RG 4.AG 8 209 SPK POSubstance 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	25 - 50

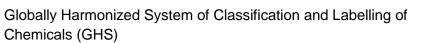
For the full text of the H-Statements mentioned in this Section, see Section 16.

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

#### 4.1 Description of first aid measures

General advice	: Move the victim to fresh air.		
	Do not leave the victim unattended.		
	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		
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	advice. If symptoms persist, call a physician	
In case of skin contact	: Wash off immediately with soap and	plenty of water.
	If on skin, rinse well with water. If on clothes, remove clothes.	
In case of eye contact	<ul> <li>Immediately flush eye(s) with plenty Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a spectrum</li> </ul>	
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverag Never give anything by mouth to an If symptoms persist, call a physician	unconscious 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 media	:	Water, High volume water jet

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

Specific hazards during firefighting	: Do not allow run-off from fire fig courses.	Do not allow run-off from fire fighting to enter drains or water courses.		
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#### 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. Use a water spray to cool fully closed containers.

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

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

Personal precautions	<ul> <li>Use personal protective equipment. Evacuate personnel to safe areas. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Remove all sources of ignition.</li> </ul>
	Avoid breathing dust.

#### 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.

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#### 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**

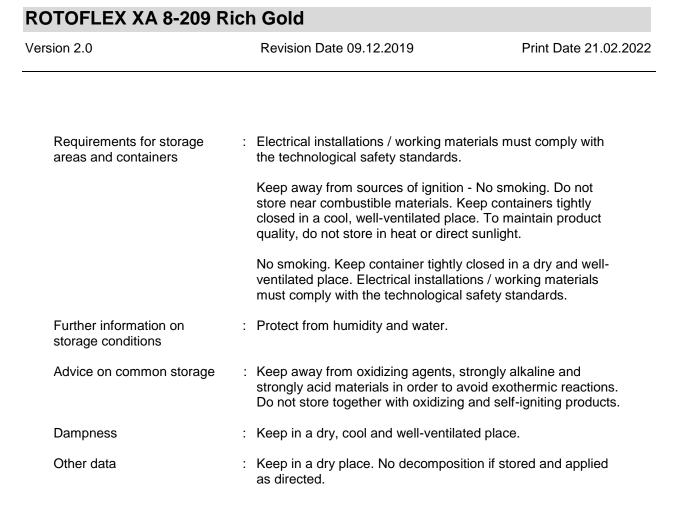
#### 7.1 Precautions for safe handling

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 particles. 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	: Normal measures for preventive fire protection.	
	Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition.	
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. Wash hands before breaks and at the end of workday.	

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

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#### 7.3 Specific end use(s)

This information is not available.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### Germany:

Page 7	Copper	7440-50-8	AGW (inhalable	1 mg/m3		DE TRGS 900	
	Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis	



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1	1	I.	1			
		fraction)				
zinc powder	7440-66-6	AGW (Inhalable	10 mg/m3	2014-04-02	DE TRGS 900	
— zinc dust		fraction)				
(stabilised)						
Peak-limit: exc	ursion	2;(II)				
factor (categor	y)					
Further informa	ation	Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).				
zinc powder — zinc dust (stabilised)	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900	
Peak-limit: exc factor (categor	Peak-limit: excursion		2;(II)			
Further informa	ation	Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).				

#### 8.2 Exposure controls

Personal protective equipment	ent		
Eye protection	:	Safety glasses	
	:	Wear face-shield and protective problems.	e suit for abnormal processing
Hand protection			
Material	:	Leather	
Remarks	:	Leather gloves	
		The choice of an appropriate gluits material but also on other que from one producer to the other.	
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	The exact break through time ca protective glove producer and th		
	Recommended preventive skin p	protection	
	: The suitability for a specific work with the producers of the protect		
Skin and body protection	: Long sleeved clothing		
	Safety shoes		
	: Dust impervious protective suit		
	Choose body protection accordir concentration of the dangerous s	•	
Respiratory protection	: Use suitable breathing protection	n if workplace concentration	
	requires. Respirator with a dust filter		
	P1 filter		
<b>Environmental exposure o</b> General advice	ontrols		
	: Prevent product from entering dr	ains.	
	Prevent further leakage or spillage If the product contaminates river	-	
	respective authorities.		
Water	: The product should not be allowed to enter drains, water courses or the soil.		
	:		
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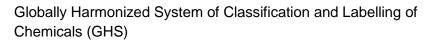
#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Appearance	: powder
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)	: The substance or mixture is a flammable solid with the category 1.
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

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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

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
	Heat, flames and sparks.
10.5 Incompatible materials	
Materials to avoid :	No data available

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#### **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) : 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

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#### 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

No data available

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### **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.

#### 12.2 Persistence and degradability

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

No data available

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#### 12.6 Other adverse effects

#### Product:

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

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

#### 13.1 Waste treatment methods

Product	<ul> <li>The product should not be allowed to enter drains, water courses or the soil.</li> <li>Do not contaminate ponds, waterways or ditches with chemical or used container.</li> <li>Send to a licensed waste management company.</li> <li>In accordance with local and national regulations.</li> </ul>
Contaminated packaging	<ul> <li>Empty remaining contents.</li> <li>Dispose of as unused product.</li> <li>Do not re-use empty containers.</li> <li>Do not burn, or use a cutting torch on, the empty drum.</li> <li>In accordance with local and national regulations.</li> </ul>

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

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IMDG	: 3089	
CFR	: 3089	
TDG	: 3089	
ADR	: 3089	
14.1 UN number		



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ΙΑΤΑ	: 3089	
14.2 Proper shipping name		
ADR	: METAL POWDER, FLAMMABL (Gold bronze powder ,Copper n	
TDG	: METAL POWDER, FLAMMABL (Gold bronze powder ,Copper n	E, N.O.S.
CFR	: METAL POWDERS, FLAMMAE (Gold bronze powder ,Copper n	BLE, N.O.S.
IMDG	: METAL POWDER, FLAMMABL (,Gold bronze powder ,Copper r	
ΙΑΤΑ	: METAL POWDER, FLAMMABL	.E, N.O.S.
14.3 Transport hazard class		
ADR	: 4.1	
TDG	: 4.1	
CFR	: 4.1	
IMDG	: 4.1	
ΙΑΤΑ	: 4.1	
14.4 Packing group		
ADR		
Packaging group	: 11	
Classification Code	: F3	
Hazard Identification Number	: 40	
Labels	: 4.1	
Tunnel restriction code	: (E)	
TDG		
Packaging group	: 11	
Labels	: 4.1	
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#### CFR

Packaging group	: 11
Labels	: 4.1
IMDG	
Packaging group	: 11
Labels	: 4.1
EmS Number	: F-G, S-G
ΙΑΤΑ	
Packing instruction (cargo aircraft)	: 448
Packing instruction (passenger aircraft)	: 445
Packing instruction (LQ)	: Y441
Packaging group	: 11
Labels	: 4.1
14.5 Environmental hazards	

ADR	: Environmentally hazardous
IMDG	: Marine pollutant

#### 14.6 Special precautions for user

#### IMDG Code- segregation group:

- : IMDG Code segregation group 7 Heavy metals and their salts
- : IMDG Code segregation group 15 Powdered metals

#### 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

<b>Prohibition/Restriction</b> REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
<b>Prohibition/Restriction</b> Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
<b>Prohibition/Restriction</b> Regulation (EC) No 850/2004 on persistent organic pollutants	: Not applicable

#### 15.2 Chemical safety assessment

No data available

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

Full text of H-Statements	
H228	: Flammable solid.
H302	: Harmful if swallowed.
H319	: Causes serious eye irritation.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

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