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

ROTOFLEX XA 8-206 Rich Pale Gold

Version 3.0	Revision Date 11.12.2023	Print Date 12.12.2023

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

1.1 Product identifier

Trade name	:	ROTOFLEX XA 8-206 Rich Pale Gold
Material number	:	024919EK0

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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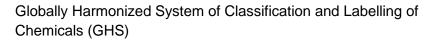


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		Short-term (acute) aquatic hazard, C Long-term (chronic) aquatic hazard, (
GHS-Labelling			
Symbol(s)	:		
Signal word	:	Danger	
Hazard statements	:	H228: Flammable solid. H302: Harmful if swallowed. H319: Causes serious eye irritation. H410: Very toxic to aquatic life with k	ong lasting effects.
Precautionary statements	:	 P210 Keep away from heat, hot su flames and other ignition sources. No P240 Ground and bond container a P241 Use explosion-proof electrical equipment. P264 Wash skin thoroughly after h P270 Do not eat, drink or smoke w P273 Avoid release to the environr P280 Wear protective gloves/ protection/ face protection/ hearing p Response: P301 + P317 + P330 IF SWALLOW Rinse mouth. P305 + P351 + P338 IF IN EYES: water for several minutes. Remove co and easy to do. Continue rinsing. P337 + P317 If eye irritation persiss P370 + P378 In case of fire: Use for powder for metal fires. 	o smoking. and receiving equipment. al/ ventilating/ lighting handling. /hen using this product. ment. ective clothing/ eye protection. WED: Get medical help. Rinse cautiously with
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Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label

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Identification	CAS-No.
copper	7440-50-8

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	20 - 25
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	0,1 - 0,25

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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

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

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Unsuitable extinguishing media	: Water, High volume water jet, Carbon	dioxide (CO2)
5.2 Special hazards arising from	he substance or mixture	
Specific hazards during firefighting	: Do not allow run-off from fire fighting t courses.	to enter drains or water
5.3 Advice for firefighters		
Special protective equipment for firefighters	: Wear self-contained breathing appara necessary.	tus for firefighting if
Further information	: Standard procedure for chemical fires	
	Collect contaminated fire extinguishin must not be discharged into drains. Fi contaminated fire extinguishing water accordance with local regulations. Use fully closed containers.	re residues and must be disposed of in

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. Remove all sources of ignition.
6.2 Environmental precautions		
General advice		The product should not be allowed to enter drains, water

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

This information is not available.

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.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers		cal installations / working materials must comply with hnological safety standards.
	store n closed	way from sources of ignition - No smoking. Do not ear combustible materials. Keep containers tightly in a cool, well-ventilated place. To maintain product do not store in heat or direct sunlight.
	ventilat	oking. Keep container tightly closed in a dry and well- ed place. Electrical installations / working materials omply with the technological safety standards.
Further information on storage conditions	: Protect	from humidity and water.
Advice on common storage	strongl	way from oxidizing agents, strongly alkaline and y acid materials in order to avoid exothermic reactions. store together with oxidizing and self-igniting products.
Dampness	: Keep ir	n a dry, cool and well-ventilated place.
Other data	: Keep ir as dire	n a dry place. No decomposition if stored and applied cted.

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	Control parameters	Update	Basis	
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Further informa	ation	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
Peak-limit: exc factor (categor		2;(II)			
zinc	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900
Further information			ompliance with the no risk of harming t		
Peak-limit: excursion factor (category)		2;(II)			
zinc	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900
copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
		exposure)			

8.2 Exposure controls

Personal protective equ	ipment
Eye protection	: Safety glasses
	: Wear face-shield and protective suit for abnormal processing problems.
Hand protection	
Material	: Leather
Remarks	: Leather gloves
	The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
	The exact break through time can be obtained from the protective glove producer and this has to be observed.
	Recommended preventive skin protection
	 The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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Skin and body protection	: Long sleeved clothing	
	Safety shoes : Dust impervious protective suit	
	Choose body protection according to concentration of the dangerous subs	
Respiratory protection	: Use suitable breathing protection if v requires.	vorkplace concentration
	Respirator with a dust filter	
	P1 filter	
Environmental exposure of	controls	
General advice	 The product should not be allowed to courses or the soil. Prevent product from entering drains Prevent further leakage or spillage if If the product contaminates rivers an respective authorities. 	s. safe to do so.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Flammability (solid, gas)		 The substance or mixture is a flammable solid with the category 1. 	
Bulk density	: No data available		
Flash point	: No data available		
Boiling point/boiling range	: No data available		
Melting point/range	: > 900 °C		
рН	: substance/mixture	e is non-soluble (in water)	
Odour	: characteristic		
Colour	: gold		
Appearance	: powder	: powder	

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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	: 8 - 9 g/cm3
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.

10.2 Chemical stability

No decomposition if stored and applied as directed.

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10.3 Possibility of hazardous reactions

onditions., No hazards
d as directed.

: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

Other information

copper :

Acute oral toxicity

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

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
	· Vory toxic to occupito life
Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.
zinc (7440-66-6) :	
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.
octadecylamine (124-30-1) :	
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 degradability

No data available

12.3 Bioaccumulative potential

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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 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. Do not burn, or use a cutting torch on, the empty drum. In accordance with local and national regulations.

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SECTION 14: Transport information

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14.1 UN number ADR : 3089 TDG : 3089 CFR : 3089 IMDG : 3089 ΙΑΤΑ : 3089 14.2 Proper shipping name ADR : METAL POWDER, FLAMMABLE, N.O.S. (Gold bronze powder, Copper metal powder) TDG : METAL POWDER, FLAMMABLE, N.O.S. (Gold bronze powder, Copper metal powder) CFR : METAL POWDERS, FLAMMABLE, N.O.S. (Gold bronze powder, Copper metal powder) IMDG : METAL POWDER, FLAMMABLE, N.O.S. (,Gold bronze powder ,Copper metal powder) ΙΑΤΑ : METAL POWDER, FLAMMABLE, 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

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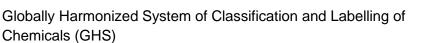
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Packaging group	:	II
Classification Code	:	F3
Hazard Identification Number	:	40
Labels	:	4.1
Tunnel restriction code	:	(E)
TDG		
Packaging group	:	II
Labels	:	4.1
CFR		
Packaging group	:	II
Labels	:	4.1
IMDG		
Packaging group	:	II
Labels	:	4.1
EmS Code	:	F-G, S-G
ΙΑΤΑ		
Packing instruction (cargo aircraft)	:	448
Packing instruction (passenger aircraft)	:	445
Packing instruction (LQ)	:	Y441
Packaging group	:	II
Labels	:	4.1
14.5 Environmental hazards		

ADR	: Environmentally hazardous
IMDG	: Marine pollutant

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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

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

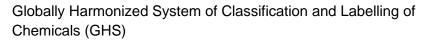
REACH - Candidate List of Substances of Very High : Not applicable Concern for Authorisation (Article 59). REACH - List of substances subject to authorisation : Not applicable (Annex XIV) Regulation (EC) No 1005/2009 on substances that : Not applicable deplete the ozone layer Regulation (EU) 2019/1021 on persistent organic : Not applicable pollutants (recast) REACH - Restrictions on the manufacture, placing on : Not applicable the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

15.2 Chemical safety assessment

No data available

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SECTION 16: Other information

Full text of H-Statements	
H228 :	Flammable solid.
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.

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