Trade name: Rotgoldplattierbad JE224 - 4 g/L Au

Substance number: 7255.0000

Version: Draft / DE Replaces Version: 2 / DE

Date revised Print date: 04.07.2024

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

1.1. Product identifier

Rotgoldplattierbad JE224 - 4 g/L Au

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Jentner Plating Technology GmbH Johann-Staib-Straße 2 75179 Pforzheim Information provided Department product safety by / telephone

1.4. Emergency telephone number

+49 761 19240

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008) Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008 For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Hazard statements

Harmful to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P501.1	Dispose of contents/container to industrial incineration plant.

2.3. Other hazards

H412

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

					METAL
Trade name: Rotgoldplattierbad	JE224 - 4 g/L Au				
	Version:	Draft / D	E		Date revised
Substance number: 7255.0000	Replaces	Versior	า: 2 /	DE	Print date: 04.07.2024
	•				
Hazardous ingredien	ts				
Sodiumthiocyanate	E40 70 7				
CAS No. EINECS no.	540-72-7 208-754-4				
Concentration	>= 1	<	10	%	
	ation (EC) No. 1272/2008)	-			
	Acute Tox. 4	H302			
	Acute Tox. 4	H312			
	Acute Tox. 4	H332 H412			
	Aquatic Chronic 3	Π41Z			
ATE oral		764		mg/kg	
cATpE derm		1.100		mg/kg	
	lative, Dust/Mist	1,5		mg/l	
copper sulphate	7758-98-7				
CAS No. EINECS no.	231-847-6				
Registration no.	01-2119520566-40-XXX	х			
Concentration	>= 0,25	<	1	%	
Classification (Regula	ation (EC) No. 1272/2008)				
	Acute Tox. 4	H302			
	Skin Irrit. 2 Eye Irrit. 2	H315 H319			
	Aquatic Acute 1	H400			
	Aquatic Chronic 1	H410			
Potassium dicyanoau					
CAS No. EINECS no.	13967-50-5				
Registration no.	237-748-4 01-2120130777-52				
Concentration	>= 0,25	<	1	%	
Classification (Regula	ation (EC) No. 1272/2008)				
	Met. Corr. 1	H290			
	Skin Irrit. 2	H315			
	Eye Dam. 1 Aquatic Chronic 1	H318 H410			
	Aquallo OniOnio I	H300			
		H310			
		H330			
		EUH03	32		

IE

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

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After ingestion

Rinse out mouth and give plenty of water to drink.

Adhere to personal protective measures when giving first aid First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray jet

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Avoid dust formation.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. Dispose of as prescribed.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510

Non-combustible liquids

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rade name: Rotgoldplattierbad JE2	-	
	Version: Draft / DE	Date revi
ubstance number: 7255.0000	Replaces Version: 2 / DE	Print date: 04.07.2
Further information on st	torage conditions	
Keep container tightly clos	-	
	ontrols/personal protection	
8.1. Control parameters		
Other information		
	ith occupational exposure limit values.	
Derived No/Minimal Effect	. ,	
Potassium dicyanoaurate		
Type of value	Derived No Effect Level (DNEL) dermal	
Route of exposure Mode of action	Chronic effects	
Concentration	= 0.1	mg/kg
Concontration	0,1	
Type of value	Derived No Effect Level (DNEL)	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	= 0,071	mg/m³
copper sulphate		
Type of value	Derived No Effect Level (DNEL)	
Reference group	Human	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	= 1	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Human	
Route of exposure	inhalative	
Mode of action	Local effects	mg/m ³
Concentration	= 1	IIIg/III ^o
Type of value	Derived No Effect Level (DNEL)	
Reference group	Human	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	= 137	mg/kg/d
Sodiumthiocyanate		
Type of value	Derived No Effect Level (DNEL)	
Reference group	Human	
Route of exposure	inhalative	
Mode of action	Systemic effects	4.0
Concentration	= 3	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Human	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	= 4,3	mg/kg/d

Potassium dicyanoaurate (I)



Trade name: Rotgoldplattierbad JE22		Data review
Substance number: 7255.0000	Version: Draft / DE Replaces Version: 2 / DE	Date revise Print date: 04.07.202
Type of value	PNEC	
Туре	Freshwater	
Concentration	= 0,2	μg/l
Type of value	PNEC	
Туре	Freshwater sediment	<i>"</i>
Concentration	= 0,33	mg/kg
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	= 2	μg/l
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	<i>a</i>
Concentration	= 6	mg/l
Type of value	PNEC	
Туре	Soil	<i>"</i>
Concentration	= 0,067	mg/kg
Type of value	PNEC	
Туре	Saltwater	
Concentration	= 0,02	μg/l
Type of value	PNEC	
Туре	Marine sediment	
Concentration	= 0,033	mg/kg
copper sulphate		
Type of value	PNEC	
Туре	Water	
Conditions	Short term	
Species	Microorganisms	. //
Concentration	= 7,8	μg/l
Type of value	PNEC	
Type Conditions	Saltwater Short term	
Species	Microorganisms	
Concentration	= 5,2	μg/l
Type of value	PNEC	
Type Conditions	Sewage treatment plant (STP) Short term	
Species	Microorganisms	
Concentration	= 230	μg/l
Type of value	PNEC	
Type	Sediment	
Conditions	Short term	
Species	Microorganisms	
Concentration	= 87	mg/kg
Type of value	PNEC	
Туре	Marine sediment	
Conditions	Short term	
Species	Microorganisms	



rade name: Rotgoldplattierbad JE2	Version: Draft / DE		Date revis
ubstance number: 7255.0000	Replaces Version: 2 / DE		Print date: 04.07.20
Concentration	= 676	mg/kg	
Type of value	PNEC		
Type	Soil		
Conditions	Short term		
Species Concentration	Microorganisms = 65	mg/kg	
Sodiumthiocyanate			
Type of value	PNEC		
Туре	Water		
Conditions	Short term		
Species	Microorganisms		
Concentration	= 0,095	mg/l	
Type of value	PNEC		
Туре	Saltwater		
Conditions	Short term		
Species	Microorganisms		
		ma/l	
Concentration	= 0,009	mg/l	
Type of value	PNEC		
Туре	Sewage treatment plant (STP)		
Conditions	Short term		
Species	Microorganisms		
Concentration	= 30	mg/l	
Type of value	PNEC		
Type	Sediment		
Conditions	Short term		
Species Concentration	Microorganisms	malka	
Concentration	= 0,543	mg/kg	
Type of value	PNEC		
Туре	Marine sediment		
Conditions	Short term		
Species	Microorganisms		
Concentration	= 0,054	mg/kg	
Type of value	PNEC		
Type	Soil		
Conditions	Short term		
Species	Microorganisms	~~ ~//~~	
Concentration	= 6,336	mg/kg	

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Gloves Appropriate Material neoprene



Trade name: Rotgoldplattierbad JE224	- 4 g/L A					
		Version: D				Date revise
Substance number: 7255.0000		Replaces	Version:	2 / DE		Print date: 04.07.202
Eye protection						
Safety glasses						
Body protection						
Clothing as usual in the chem	nical indu	stry.				
SECTION 9: Physical and	chem	ical pro	pertie	S		
9.1. Information on basic phy	sical a	nd chem	ical pro	operties	5	
Physical state	liquio		-	-		
Melting point						
Remarks	not c	letermined				
Freezing point						
Remarks	not c	letermined				
Boiling point or initial boilir	ng point	and boili	ng rang	ge		
Remarks	not c	letermined		-		
Flammability						
evaluation	not c	letermined				
Upper and lower explosive	limits					
Remarks	not c	letermined				
Flash point						
Remarks	Not a	applicable				
Ignition temperature						
Remarks	not c	letermined				
Decomposition temperature)					
Remarks	not c	letermined				
pH value						
Value	=	7,2	to	8,0		
Viscosity						
Remarks	not c	letermined				
Solubility(ies)						
Remarks	not c	letermined				
Partition coefficient n-octar	nol/wate	er (log val	ue)			
Remarks	not c	letermined				
Vapour pressure						
Remarks	not c	letermined				
Density and/or relative dense	sity					
Value	>	1,07			g/ml	
Temperature		20	°C			
Relative vapour density						
Remarks	not c	letermined				
9.2. Other information						
Odour threshold						
Remarks	not c	letermined				
Evaporation rate (ether = 1)	:					
Remarks		letermined				
Solubility in water						





			n: Draft / DE		Date rev
bstance number: 7255.0000		Replac	es Version: 2	2 / DE	Print date: 04.07.2
LD50	>	2000		mg/kg	
Method	OECD	0 402			
Potassium dicyanoaurate (I)					
Species	Huma				
LD50	=	100		mg/kg	
Potassium dicyanoaurate (I)	-				
Species LD50	rat >	2000		mg/kg	
Acute inhalational toxicity	-				
ATE	>	20		mg/l	
Administration/Form	Dust/N			ing/i	
Method			e (Regulation	(EC) No. 1272/2008)
Remarks	Based	l on availa	able data, the	classification criteria	are not met.
Acute inhalative toxicity (C	ompor	nents)			
Sodiumthiocyanate					
Species	rat				
LC50	>	1,5		mg/l	
Duration of exposure	Durat/A	4	h		
Administration/Form	Dust/N	viist			
Potassium dicyanoaurate (I) Species	rat				
LC50	1ai =	0,05		mg/l	
Duration of exposure		4	h		
Skin corrosion/irritation					
Remarks	Based	l on availa	able data. the	classification criteria	are not met.
Serious eye damage/irritat					
Remarks		l on availa	able data the	classification criteria	are not met
Sensitization	24000	. on availe			
Remarks	Basod	l on avails	blo data tho	classification criteria	are not mot
				Classification criteria	are not met.
Subacute, subchronic, chr		-			
Remarks	not de	etermined			
Mutagenicity	-				
Remarks	Based	on availa	able data, the	classification criteria	are not met.
Reproductive toxicity					
Remarks	Based	l on availa	able data, the	classification criteria	are not met.
Carcinogenicity					
Remarks	Based	l on availa	able data, the	classification criteria	are not met.
Specific Target Organ Tox	city (S	TOT)			
Single exposure Remarks	Based	l on availa	able data, the	classification criteria	are not met.
Repeated exposure Remarks	Based	l on availa	able data, the	classification criteria	are not met.
Aspiration hazard		ootion arti	orio oro act	not	
Based on available data, the		cation crit	eria are not r	net.	
11.2 Information on other hat	zards				

The product does not contain a substance that has endocrine disrupting properties with respect to humans.



Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

Trade name: Rotgoldplattierbad JE224 - 4 g/L Au



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SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Label			
14.4. Packing group	-	-	-

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)					
Water Hazard Class	WGK 2				
(Germany) Remarks	Derivation of WG	К ассог	rding to a	Annex 1 No. 5.2 AwSV	
VOC					
VOC (EU)	0	%	0	g/l	

Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification (Regulation (EC) No. 1272/2008) Aquatic Chronic 3

H412

Calculation method

Hazard statements listed in Chapter 2/3

	•••••••	
EUH	032	Contact with acids liberates very toxic gas.
H290)	May be corrosive to metals.
H300)	Fatal if swallowed.
H302	2	Harmful if swallowed.
H310)	Fatal in contact with skin.
H312		Harmful in contact with skin.
H315	5	Causes skin irritation.
H318	3	Causes serious eye damage.
H319)	Causes serious eye irritation.



Trade name: Rotgoldplattierbad JE2	224 - 4 g/L Au	
	Version: Draft / DE	Date revised
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H330	Fatal if inhaled.	
H332	Harmful if inhaled.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
CLP categories listed in	Chapter 2/3	
Acute Tox. 4	Acute toxicity, Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Ca	tegory 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, C	ategory 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, C	ategory 3
Eye Dam. 1	Serious eye damage, Category 1	
Eye Irrit. 2	Eye irritation, Category 2	
Met. Corr. 1	Substance or mixture corrosive to metals, Catego	ry 1
Skin Irrit. 2	Skin irritation, Category 2	

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: *** This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.