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	SECTION 1: Identification of the substance/mixture and of the company/undertaking e name: Pen gold bath 204-S rose, 7.9 g Au/l
	Stiftgoldbad 204-S rosè, 7,9 g Au/l
1.	1 Product identifier
· 7	Frade name: <u>Pen gold bath 204-S rose, 7.9 g Au/l</u> <u>Stiftgoldbad 204-S rosè, 7,9 g Au/l</u>
8 8	Article number: 6908050 = 1000ml 6908040 = 100ml 86908030 = 30ml
	<b>.2 Relevant identified uses of the substance or mixture and uses advised against</b> Jot approved for private consumers.
۰A	pplication of the substance / the mixture Galvanic bath
	.3 Details of the supplier of the safety data sheet Janufacturer/Supplier:
L	Ieimerle + Meule GmbH Dennigstrasse 16 D-75179 Pforzheim
1	elefon +49 (0) 7231 940-0 elefax +49 (0) 7231 940-2199 ww.heimerle-meule.com
·ŀ	Further information obtainable from:
L	bteilung BASU - Bau/Arbeitssicherheit/Umwelt Department BASU - Construction / Occupational Safety / Environment sds@heimerle- neule.com
g	ATA - 24h Emergency Contact - IATA - 24h Emergency Contact (Dangerous oods emergency number) -49 172 739 6970
	.4 Emergency telephone number:
L	DEUTSCHLAND - GERMANY:
(4	Yergiftungs-Informations-Zentrale Freiburg, ++49 761 19240 (24 h) Poisoning Information Center) GREAT BRITAIN:
N N II <u>I</u> +	<i>Vational Poisons Information Service</i> +44 121 507 4123 <i>Members of the public seeking specific information on poisons should contact:</i> <i>n England and Wales: NHS 111 - dial 111 - In Scotland: NHS 24 - dial 111</i> <u>RELAND</u> -353 1 809 2166 (7 Days 8 am -10 pm)
<u>I</u>	Iealthcare Professionals: +353 1 809 2566 <u>TALY:</u> stituto Superiore di Sanità (ISS) +3906499906140
C	Centro Antiveleni
	Pergamo: +39 800 883300 Firenze +39 055 794 7819
	<i>Ailano: +39 055 794 7819</i>
	20ma +39 06 68593726 20ma +39 06 49978000
	coma +39 06 49978000 coma +39 06 3954343
<u>k</u>	<u>(ROATIA - REPUBLIKA HRVATSKA:</u> +385) 01 2348 342
	+385) 01 2348 342 STLAND - ESTONIA:



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Tervisemeti Mürgistusteabekeskuse Trade name: Pen gold bath 204-S rose, 7.9 g Au/l National (24/?): 16652 Stiftgoldbad 204-S rosè, 7,9 g Au/l Revision: 15.12.2022

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Trade name: Pen gold bath 204-S rose, 7.9 g Au/l Stiftgoldbad 204-S rosè, 7,9 g Au/l

(Contd. of page 1)

(+372) 7943 794 LETTLAND - LATVIA: Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs, (24h) 112 (24h) +371 67042473 LITAUEN - LIETUVOS RESPUBLIKA: Poison Information Bureau (24/7), Tel.: +8 5 236 20 52 Apsinuodijimų informacijos biuras

**SECTION 2: Hazards identification** 

· 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008

skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.

corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage. Eye Dam. 1 H318 Causes serious eye damage.



H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

### · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation. · Hazard pictograms



· Signal word Danger

· Hazard-determining components of labelling: potassium hydroxide Potassium dicyanoaurate

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Trade name: Pen gold bath 204-S rose, 7.9 g Au/l	
Stiftgoldbad 204-S rosè, 7,9 g Au/l	

	(Contd. of page 2)
· Hazard statem	ents
H331 Toxic if it	nhaled.
H314 Causes s	evere skin burns and eye damage.
H317 May cau	se an allergic skin reaction.
H412 Harmful	to aquatic life with long lasting effects.
· Precautionary	statements
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P303+P361+P	P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P	2338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
· Additional info	
•	act with acids liberates very toxic gas.
· 2.3 Other haza	
· Results of PBT	T and vPvB assessment
· PBT: Not appli	
· vPvB: Not app	



Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: Pen gold bath 204 Stiftgoldbad 204	
• •	
SECTION 5: Composition	on/information on ingredients

CAS: 1310-58-3       potassium hydroxide; caustic potash $\geq 2-<2.5$ EINECS: 215-181-3       skin Corr. 1A, H314       Acute Tox. 4, H302         RTECS: TT 2102000       Specific concentration limits: Skin Corr. 1A; H314: $C \geq 5$ %       Skin Corr. 1B; H314: $2 \% \leq C < 5$ %       Skin Irrit. 2; H315: $0.5 \% \leq C < 2$ %         CAS: 77-92-9       citric acid; 1,2,3-Propanetricarboxylic acid, 2-hydroxy-;       1-2.5%         EINECS: 201-069-1       citric acid; 1,2,3-Propanetricarboxylic acid; Citronensäure       1-2.5%         Index number: 607-750-00-3       Eye Irrit. 2, H319; STOT SE 3, H335       2-<2.5%         CAS: 13967-50-5       Potassium dicyanoaurate $\geq 1-<2.5\%$ EINECS: 237-748-4       Potassium dicyanoaurate $\geq 1-<2.5\%$ Reg.nr:: 01-2120130777-52       Potassium dicyanoaurate $\geq 1-<2.5\%$ CAS: 6046-93-1       cupric acetate, monohydrate $\geq 0.5-<1\%$ Skin Corr: 1A, H314       Aquatic Chronic 1, H410 $Acute Tox. 4, H302$	Dangerous components / Inf	ances listed below with nonhazardous additions. <b>Formation on ingredients:</b>	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	EINECS: 215-181-3 Index number: 019-002-00-8	Skin Corr. 1A, H314 Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: $C \ge 5$ % Skin Corr. 1B; H314: $2 \% \le C < 5$ % Skin Irrit. 2; H315: $0.5 \% \le C < 2$ %	≥2-<2.5%
EINECS: 237-748-4       Acute Tox. 2, H300; Acute Tox. 2, H330         Reg.nr.: 01-2120130777-52       Met. Corr.1, H290; Eye Dam. 1, H318         Aquatic Acute 1, H400; Aquatic Chronic 1, H410       Skin Irrit. 2, H315; Skin Sens. 1, H317         CAS: 6046-93-1       cupric acetate, monohydrate         Skin Corr. 1A, H314       Aquatic Chronic 1, H410	EINECS: 201-069-1 Index number: 607-750-00-3	2Hydroxy-1,2,3-propanetricarboxylic acid; Citronensäure	1–2.5%
Skin Corr. 1A, H314 Aquatic Chronic 1, H410	EINECS: 237-748-4	Acute Tox. 2, H300; Acute Tox. 2, H330 Met. Corr.1, H290; Eye Dam. 1, H318 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥1-<2.5%
	CAS: 6046-93-1	Skin Corr. 1A, H314 Aquatic Chronic 1, H410	≥0.5-<1%

• *Additional information:* For the wording of the listed hazard phrases refer to section 16.

GB

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rade name: Pen gold bath 204-S r	-	
Stiftgoldbad 204-S ro	sē, 7,9 g Au/l	
<b>SECTION 4: First aid me</b>		
4.1 Description of first aid mea	sures	
• General information:		
Immediately remove any clothin		
Personal protection for the Firs		
Take affected persons out of dan		
Involve doctor immediately after	r a accident or unwell	
• <i>After inhalation:</i> Supply fresh air and to be sure c	call for a doctor	
	e patient stably in side position for transportation.	
• After skin contact:	e putent study in side position for transportation.	
Immediately wash with water ar	nd soan and rinse thoroughly	
Immediately rinse with water.	a soup and finse moroughly.	
If skin irritation continues, cons	ult a doctor	
0	l eye for several minutes under running water. Then co	onsult a doctor
• After swallowing:	eye jor several minutes ander ranning water. Then eo	
Call a doctor immediately.		
-	de fresh air. Call for a doctor immediately.	
	on their back should be turned onto their side.	
Rinse out mouth and then drink		
· Information for doctor: Cyania		
	ind effects, both acute and delayed	
Cyanides poisoning		
Cyanosis		
• 4.3 Indication of any immediat No further relevant information	e medical attention and special treatment needed	
<b>SECTION 5: Firefighting</b>	measures	
• 5.1 Extinguishing media		
• Suitable extinguishing agents:		
	ight larger fires with water spray or alcohol resistant f	foam.
	extinguishing agents: Water with full jet	
5.2 Special hazards arising from		
	aces of other toxic gases cannot be excluded, e.g.: dvice for firefighters · Protective equipment:	
Mount respiratory protective de		
_		



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# Trade name: Pen gold bath 204-S rose, 7.9 g Au/l Stiftgoldbad 204-S rosè, 7,9 g Au/l

	Wear self-contained respiratory protective device.	
	JF	
	r	
• Additional i Dispose of f	<b>information</b> îre debris and contaminated fire fighting water in accordance with official regulations.	

(Contd. on page 5) (Contd. of page 4)

6.1 P	ersonal precautions, protective equipment and emergency procedures
Moun	t respiratory protective device.
Wear	protective equipment. Keep unprotected persons away.
Use r	espiratory protective device against the effects of fumes/dust/aerosol.
	handle and refill product in closed systems.
6.2 E	nvironmental precautions:
Do no	ot allow product to reach sewage system or any water course.
Inform	n respective authorities in case of seepage into water course or sewage system.
Dilute	e with plenty of water.
Do no	nt allow to enter sewers/ surface or ground water.
6.3 M	ethods and material for containment and cleaning up:
Absor	b with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispo	se contaminated material as waste according to item 13. Ensure adequate ventilation.
6.4 R	eference to other sections
See S	ection 7 for information on safe handling.
See S	ection 8 for information on personal protection equipment.
See S	ection 13 for disposal information.



Keep receiptifyioldigil004-Gebic, 19.9 And Ensare good ventinationations in the workplace. Open and handle receptacle with care: he usual precautionary measures are to be adhered to when handling chemicals. Prevent formation of censols. Wear suitable respiratory protective device when decanting larger quantities without extractor facilities. Do not dry clean dust covered objects and floors. Wash throughly with plenty of wate: Information about fire - and explosion protection: Keep respiratory protective device available. 7.2 Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings . Observe official regulations on storing packagings . Observe official regulations on storing packagings . Observe official regulations on storing packagings . Therein any seepage into the ground. Information about storage in one common storage facility: Do not store together with acids. Store away from foodstuffs. Further information about storage conditions: Keep container tightly sealed.	ađ,	R N <b>eme</b> calleio go folosofic 20An Stinge, 7.9 g Au/l
Open and handle receptacle with care. he usual precautionary measures are to be adhered to when handling chemicals. Prevent formation of aerosols. Wear suitable respiratory protective device when decanting larger quantities without extractor facilities. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water. Information about fire - and explosion protection: Keep respiratory protective device available. 7.2 Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings . Observe official regulations on storing packagings . Prevent any seepage into the ground. Information about storage in one common storage facility: Do not store together with acids. Store away from floodstuffs. Further information about storage conditions: Keep container tightly sealed.		
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Information about fire - and explosion protection: Keep respiratory protective device available. 7.2 Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings . Observe official regulations on storing packagings . Prevent any seepage into the ground. Information about storage in one common storage facility: Do not store together with acids. Store away from foodstuffs. Further information about storage conditions: Keep container tightly sealed.  Store under lock and key and with access restricted to technic experts or their assistants		
<ul> <li>7.2 Conditions for safe storage, including any incompatibilities</li> <li>Storage:</li> <li>Requirements to be met by storerooms and receptacles:</li> <li>Observe official regulations on storing packagings.</li> <li>Observe official regulations on storing packagings.</li> <li>Prevent any seepage into the ground.</li> <li>Information about storage in one common storage facility:</li> <li>Do not store together with acids.</li> <li>Store away from foodstuffs.</li> <li>Further information about storage conditions:</li> <li>Keep container tightly sealed.</li> </ul>		
Storage: Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings . Orevent any seepage into the ground. Information about storage in one common storage facility: Do not store together with acids. Store away from foodstuffs. Further information about storage conditions: Keep container tightly sealed.		
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Observe official regulations on storing packagings . Observe official regulations on storing packagings . Prevent any seepage into the ground. Information about storage in one common storage facility: Do not store together with acids. Store away from foodstuffs. Further information about storage conditions: Keep container tightly sealed.		
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Do not store together with acids. Store away from foodstuffs. Further information about storage conditions: Keep container tightly sealed.		revent any scepage into the ground.
Store away from foodstuffs. Further information about storage conditions: Keep container tightly sealed.	• 1	Information about storage in one common storage facility:
Further information about storage conditions: Keep container tightly sealed.		
Keep container tightly sealed.		
experts or their assistants		
experts or their assistants	K	Keep container tightly sealed.
experts or their assistants		_
experts or their assistants		
experts or their assistants		<b>—</b> • <b>–</b>
experts or their assistants		
experts or their assistants		
experts or their assistants		
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	1	only.
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7.3 Specific end use(s) No further relevant information available.



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ade name: Pen gold bath		
Stiftgoldbad 2	04-S rosè, 7,9 g Au/l	
SECTION 8: Expo	sure controls/personal protection	
· 8.1 Control parameters		
· Ingredients with lim	it values that require monitoring at the workplace:	
CAS: 1310-58-3 pot	assium hydroxide	
WEL (Great Britain)	Short-term value: 2 mg/m <sup>3</sup>	
CAS: 13967-50-5 Pe	otassium dicyanoaurate	
WEL (Great Britain)	Long-term value: 5 mg/m <sup>3</sup>	
	as CN; Sk	
MAK (Germany)	Long-term value: 2E mg/m <sup>3</sup> als CN	
Dogulatory information		
• <b>Regulatory information</b> WEL (Great Britain): E		
MAK (Germany): MAK		
	<i>The lists valid during the making were used as basis.</i>	
· 8.2 Exposure controls		
-	<b>g controls</b> No further data; see item 7.	
	easures, such as personal protective equipment	
· General protective and		
	measures are to be adhered to when handling chemicals.	
Keep away from foodst		
	soiled and contaminated clothing	
Do not inhale gases / fu	ks and at the end of work. mes / gerosols	
Avoid contact with the e		
Avoid contact with the e		
According to EC Directiv		
Respiratory protection:		
Not necessary if room is		
	e or low pollution use respiratory filter device. In case of int	ensive or longer exposure
use self-contained respi	ratory protective device. ovide protection for a short period of time only. They should	only be used in exception
	amount of the substance has spilled out or in order to fight s	
according EN 14387		ennages ana jne.
according to EN 143		
	vice for short term use: Combination filter B-P2	
• Hand protection		
Alkaline resistant glove		
Check protective gloves	prior to each use for their proper condition.	
_		
_		



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according to 1907/2006/EC, Article 31 Printing date: 15.12.2022 Version number 11 (replaces version 10) Revision: 15.12.2022 Trade name: Pen gold bath 204-S rose, 7.9 g Au/l Stiftgoldbad 204-S rosè, 7,9 g Au/l ..... -----. ..... \_\_\_\_ Protective gloves - --1 according to EN 374 To avoid skin problems reduce the wearing of gloves to the required minimum. Only use chemical-protective gloves with CE-labelling of category III. Sensibilisation by the components in the glove materials is possible. (Contd. on page 7)



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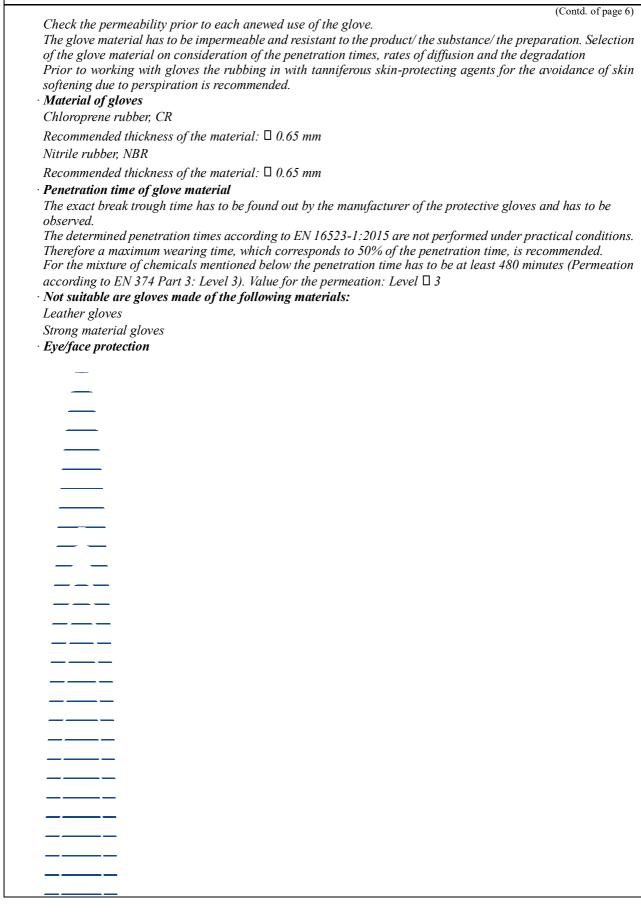
GE

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Trade name: Pen gold bat Stiftgoldbad	th 204-S rose, 7.9 g Au/l 204-S rosè, 7,9 g Au/l	
	Tightly sealed goggles	
<u> </u>		
—		
—		
according to EN 166 • <b>Body protection:</b> Prote	ective work clothing	



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Trade name: Pen gold bath 204-S rose, 7.9 g Au/l Stiftgoldbad 204-S rosè, 7,9 g Au/l

9.1 Information on basic physical and c	hemical properties	
General Information		
Physical state	Fluid	
Colour: Light blue • Odour:	Odourless	
Odour threshold:	Not determined.	
Melting point/freezing point:	Undetermined.	
Boiling point or initial boiling point and	l boiling	
range	100°C (212°F)	
Flammability	Not applicable.	
Lower and upper explosion limit		
Lower:	Not determined.	
Upper:	Not determined.	
Flash point:	Not applicable.	
Decomposition temperature:	Not determined.	
<i>pH at 20°C (68°F)</i>	12	
Viscosity:		
Kinematic viscosity Not determined	L · <b>Dynamic:</b> Not	
determined.	•	



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rade name: Pen gold bath 204-S rose, 7.9 g Au/l Stiftgoldbad 204-S rosè, 7,9 g Au/l		
	(Contd. of )	
· Solubility		
· water:	Fully miscible.	
· Partition coefficient n-octanol/water (log value)	Not determined.	
· Vapour pressure:	Not determined.	
· Density and/or relative density		
• Density: Not determined. • Relative density	Not determined.	
Vapour density Not determined.		
• 9.2 Other information		
· Appearance:		
· Form:	Fluid	
· Important information on protection of health and	1	
environment, and on safety.		
• Auto-ignition temperature:	Product is not selfigniting.	
· Explosive properties:	Product does not present an explosion hazard.	
· Change in condition		
· Evaporation rate	Not determined.	
· Information with regard to physical hazard classes	S	
· Explosives	Void	
· Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
· Flammable liquids	Void	
• Flammable solids Void • Self-reactive substa	inces	
and mixtures Void		
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flammable		
gases in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

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### SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

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• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. •

10.3 Possibility of hazardous reactions

Contact with acids releases very toxic gases

Reacts with acids, alkalis and oxidising agents.

· 10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: Acids

· 10.6 Hazardous decomposition products: Hydrogen cyanide (prussic acid)

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Stiftgoldbad 204-S rosè, 7,9 g Au/l

CAS: 1310-58-3 potassium hydroxide

 Oral
 LD50
 365 mg/kg (rat)

 CAS: 77-92-9 citric acid

 Oral
 LD50
 6,730 mg/kg (rat)

CAS: 13967-50-5 Potassium dicyanoaurate

Oral LD50 29 mg/kg (Rat)

Inhalative LC50/4 h 0.05 mg/l/(ATE) (rat)

CAS: 6046-93-1 cupric acetate, monohydrate

Oral LD50 500 mg/kg (ATE)

# **SECTION 11: Toxicological information**

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity Toxic if inhaled.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

 Oral
 LD50
 2,153 mg/kg

 Inhalative
 LC50/4 h
 4.35 mg/l

• Skin corrosion/irritation Causes severe skin burns and eye damage.

· Serious eye damage/irritation Causes serious eye damage.

· Respiratory or skin sensitisation May cause an allergic skin reaction.

 $\cdot$  11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

# **SECTION 12: Ecological information**

### · 12.1 Toxicity

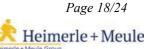
· Aquatic toxicity: No further relevant information available.

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment Not applicable.
- *PBT:* Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- Remark: Harmful to fish
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms



according to 1907/2006/EC, Article 31

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**SECTION 13: Disposal considerations** · 13.1 Waste treatment methods · Recommendation .... . Must not be disposed together with household garbage. Do not allow product to . reach sewage system.

Contact manufacturer for recycling information.

· Waste disposal key:

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations.

Packaging which is uncleaned or soiled with product remains is to be treated like the product itself Packaging free of product remains is to be supplied refuse for recycling. Only if no adequate collecting system is available, they may be disposed of through the domestic rubbish

• Recommended cleansing agents: Water, if necessary together with cleansing agents.

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SECTION 14: Transport information	2
Tradpanner Rambeldbath AllaSeiose, 7.9 g Au/l	
· ADR, IMStiftgolthad 204-S rosè, 7,9 g Au/l	UN3266
• 14.2 UN proper shipping name	
· ADR	UN3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, Potassium dicyanoaurate)
· IMDG, IATA	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, Potassium dicyanoaurate)
• 14.3 Transport hazard class(es)	
· ADR, IMDG, IATA	
~	
<u>д</u> х	
· · · · ·	
// N	
27 - N	
//	
11 0.00 - 292 - NA	
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~	8 Corrosive substances.



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Trade name: Pen gold bath 204-S ro. Stiftgoldbad 204-S rose		
· Class		
·Label	8	
· 14.4 Packing group · ADR, IMDG, IATA	II	
• 14.5 Environmental hazards: • Marine pollutant:	No	
• 14.6 Special precautions for use	r Warning: Corrosive substa	ances.
• Hazard identification number (K	Kemler code): 80	
• EMS Number:	F-A, S-B	
· Segregation groups	(SGG18) Alkalis	

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Stowage Category	B	
Stowage Code	SW2 Clear of living quarters.	
Segregation Code	SG35 Stow "separated from" SGG1-acids	
<b>14.7 Maritime transport in bulk accor</b> Not applicable.	ding to IMO instruments	
Transport/Additional information:		
ADR		
Limited quantities (LQ)	1L	
Excepted quantities (EQ)	Code: E2	
	Maximum net quantity per inner packaging: 30 ml	
	Maximum net quantity per outer packaging: 500 ml	
Transport category	2	
IMDG		
Limited quantities (LQ)	1L	
Excepted quantities $(EQ)$	Code: E2	
	Maximum net quantity per inner packaging: 30 ml	
	Maximum net quantity per outer packaging: 500 ml	
IATA		
Remarks:		
	24h emergency contact -	
	(Dangerous goods emergency number)	
	+49 172 739 6970	
UN "Model Regulation": UN 3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTAS	
	HYDROXIDE, POTASSIUM DICYANOAURATE), 8	

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### **SECTION 15: Regulatory information**

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

COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)

DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

GADSL - Global Automotive Declarable Substance List

None of the ingredients is listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

 $\cdot$  Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t  $\cdot$ 

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t ·

National regulations:

GI

· Waterhazard class: . · Other regulations, limitations and

prohibitive regulations -

(Contd. on page 12)

(Contd. of page 11)

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.



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

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### · Reasons for revise

If necessary, this saftey data sheet can revised according to legal guidelines.

*Our current version for your reference is available on our website www.heimerle-meule.com* 

#### · Relevant phrases

H290 May be corrosive to metals.
H300 Fatal if swallowed.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

#### · Department issuing SDS:

Abteilung BASU - Bau/Arbeitssicherheit/Umwelt Department BASU - Construction / Occupational Safety / Environment

sds@heimerle-meule.com

#### · Contact: Herr Thomas Knuth thomas.knuth@heimerle-meule.com sds@heimerlemeule.com · Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) AwSV: Ordinance on facilities for handling water-polluting substances (German regulation). TRGS: Technical rules for hazardous substances (German regulation) ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Met. Corr.1: Corrosive to metals - Category 1 Acute Tox. 2: Acute toxicity – Category 2 Acute Tox. 4: Acute toxicity - Category 4 (Contd. on page 13)



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(Contd. of page 12) Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1A: Skin corrosion/irritation – Category 1A Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2* 

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 ·

\* Data compared to the previous version altered.