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

## MASTERSAFE Gold 28105 Rich Gold

Version 1.0	Revision Date 09.06.2021	Print Date 21.02.2022

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

#### **1.1 Product identifier**

Trade name	:	MASTERSAFE Gold 28105 Rich Gold
Material number	:	026752LG0

#### 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

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	Long-term (chronic) aquatic hazard,	, Category 1, H410
GHS-Labelling		
Symbol(s)		
Signal word	: Warning	
Hazard statements	: H302: Harmful if swallowed. H319: Causes serious eye irritation. H410: Very toxic to aquatic life with	
Precautionary statements	Rinse mouth. P305 + P351 + P338 IF IN EYES water for several minutes. Remove and easy to do. Continue rinsing.	when using this product. orotection. DWED: Get medical help. S: Rinse cautiously with contact lenses, if present ists: Get medical help.
•	hich must be listed on the label	
Identification copper silicon dioxide	CAS-No. 7440-50-8 7631-86-9	

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### Other hazards which do not result in classification

**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 powder — zinc dust (stabilised)	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	25 - 50
silicon dioxide	7631-86-9 231-545-4	Acute Tox.;5;H303	1 - 10

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.

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	Move out of dangerous area. Show this safety data sheet to Do not leave the victim unatte	to the doctor in attendance.	
If inhaled	: If unconscious, place in recov advice. If symptoms persist, call a ph		
In case of skin contact	: Wash off immediately with so	oap and plenty of water.	
In case of eye contact	: Immediately flush eye(s) with Remove contact lenses. Keep eye wide open while rin If eye irritation persists, const	nsing.	
If swallowed	Keep respiratory tract clear. Do not give milk or alcoholic l Never give anything by mouth	<ul> <li>Induce vomiting immediately and call a physician.</li> <li>Keep respiratory tract clear.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an unconscious person.</li> <li>If symptoms persist, call a physician.</li> </ul>	

### 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

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### 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	t:	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.

### **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	:	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 pa vapours/dust. Avoid contact with protection see section 8. Smoki be prohibited in the application accordance with local and natio	h skin and eyes. For personal ng, eating and drinking should area. Dispose of rinse water in
Advice on protection against fire and explosion	:	: Normal measures for preventive fire protection.	
		Avoid dust formation. Provide a at places where dust is formed.	
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. Wash hands before breaks and	-
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7.2 Conditions for safe storage,	including any incompatibilities	
Requirements for storage areas and containers	: Electrical installations / working mate the technological safety standards.	erials must comply with
	Keep away from sources of ignition - store near combustible materials. Ke closed in a cool, well-ventilated place quality, do not store in heat or direct	ep containers tightly e. To maintain product
	Keep container tightly closed in a dry place. Containers which are opened resealed and kept upright to prevent installations / working materials mus	must be carefully leakage. Electrical

Further information on storage conditions	: Protect from humidity and water.	
Advice on common storage	: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Do not store together with oxidizing and self-igniting products.	
Dampness	: Keep in a dry, cool and well-ventilated place.	
Other data	: No decomposition if stored and applied as directed.	

technological safety standards.

### 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	Control	Update	Basis
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		(Form of	parameters		
Copper	7440-50-8	exposure) AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
zinc powder — zinc dust (stabilised)	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (category		2;(II)			
Further informa	ation		dangerous substan ounds at the work pla on).		
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 (category		2;(II)			
Further informa	ation		dangerous substan ounds at the work pla on).		
Polyethylene	9002-88-4	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (category		2;(II)			
Further informa	ation	exposure limit va have information organs in excess substancesSena	lue. For this substar alue is established, n regarding unspecit s of the normal valu ate commission for t langerous for the he	since the AGS of fic action on the es.Commission he review of cor	does not yet respiratory for dangerous mpounds at
Polyethylene	9002-88-4	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (category		2;(II)			
Further informa	ation	exposure limit va	lue. For this substar alue is established, n regarding unspecit	since the AGS of	does not yet
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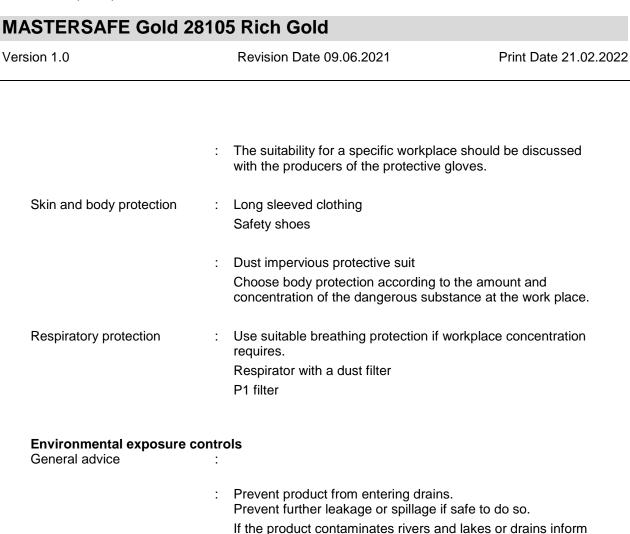
		organs in excess of the normal values.Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).				
silicon dioxide	7631-86-9	AGW (Inhalable fraction)4 mg/m32013-09-19DE TRGS				
Further informa	ation	place dangerous amorphous silica manufactured sil compliance with	sion for the review of a for the health (MA a, including pyroger lica (precipitated sill the OEL and biolog ag the unborn child	K-commission). hic silica and in ica, silicagel).W	Colloidal wet processes hen there is	

### 8.2 Exposure controls

Personal protective equipm Eye protection	ent :	Safety glasses
	:	Tightly fitting safety goggles 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

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### **SECTION 9: Physical and chemical properties**

Water

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

:

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respective authorities.

courses or the soil.

The product should not be allowed to enter drains, water

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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 Solid	S
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	

Density	•	
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

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		Comparison and a state of the state of th



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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 decomposition products Other information	: No data available
10.6 Hazardous decomposition	roducts
Materials to avoid	: No data available
10.5 Incompatible materials	
	No data available
Conditions to avoid	: No data available
10.4 Conditions to avoid	
	Dust may form explosive mixture in air.
	No decomposition if stored and applied as directed.
Hazardous reactions	: Stable under recommended storage conditions., No hazards to be specially mentioned.



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11.	SECTION 11: Toxicological information 11.1 Information on toxicological effects			
ACI	ute toxicity			
	<u>Components:</u> Copper : Acute oral toxicity	:	The component/mixture is moderately toxic after single ingestion.	
	silicon dioxide : Acute oral toxicity	:	LD50 Rat: 5 000 mg/kg	
			Mouse: 15 000 mg/kg	
	Acute inhalation toxicity	:	Rat: 0,139 mg/l Exposure time: 4 h	
	Acute dermal toxicity	:	LD50 Rabbit: > 5 000 mg/kg	

### Skin corrosion/irritation

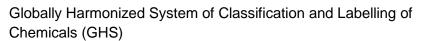
### Product

May cause skin irritation in susceptible persons.

### Serious eye damage/eye irritation

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### Product

May cause irreversible eye damage.

### 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.
silicon dioxide (7631-86-9) :	
Toxicity to daphnia and other aquatic invertebrates	: (Daphnia (water flea)): 7 600 mg/l
Toxicity to algae	: (Chlorella pyrenoidosa (aglae)): 440 mg/l Exposure time: 72 h

### 12.2 Persistence and degradability

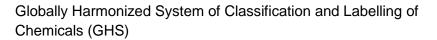
No data available

### 12.3 Bioaccumulative potential

No data available

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### 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
information		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> </ul>
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

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

### 14.1 UN number

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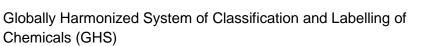




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ADR	:	3077	
TDG			
Not dangerous goods			
CFR			
Not dangerous goods			
IMDG	:	3077	
ΙΑΤΑ	:	3077	
14.2 Proper shipping name			
ADR	:	ENVIRONMENTALLY HAZARE N.O.S.	DOUS SUBSTANCE, SOLID,
		(Copper metal powder)	
TDG			
Not dangerous goods			
CFR			
Not dangerous goods			
IMDG	:	ENVIRONMENTALLY HAZARE N.O.S.	DOUS SUBSTANCE, SOLID,
		(,Copper metal powder)	
ΙΑΤΑ	:	ENVIRONMENTALLY HAZARE	OOUS SUBSTANCE, SOLID,
		(Copper metal powder)	
14.3 Transport hazard class			
ADR	:	9	
TDG			
Not dangerous goods			
CFR			
Not dangerous goods			
IMDG	:	9	
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ΙΑΤΑ	: 9	
14.4 Packing group		
ADR		
Packaging group	: 111	
Classification Code	: M7	
Hazard Identification Number	: 90	
Labels	: 9	
Tunnel restriction code	: (-)	
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG		
Packaging group	: 111	
Labels	: 9	
EmS Number	: F-A, S-F	
ΙΑΤΑ		
Packing instruction (cargo aircraft)	: 956	
Packing instruction (passenger aircraft)	: 956	
Packing instruction (LQ)	: Y956	
Packaging group	: 111	
Labels	: 9	
14.5 Environmental hazards		
IMDG	: Marine pollutant	

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ADR

: Environmentally hazardous

### 14.6 Special precautions for user

### 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

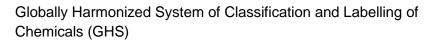
### **SECTION 15: Regulatory information**

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

<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 (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
<b>Prohibition/Restriction</b> REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	: Not applicable
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### 15.2 Chemical safety assessment

No data available

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

### Full text of H-Statements

H302 :	Harmful if swallowed.
H303 :	May be harmful if swallowed.
H319 :	Causes serious eye irritation.
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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