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

STANDART Copper Powder F 400

Version 2.0

Revision Date 09.12.2019

Print Date 03.12.2024

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

1.1 Product identifier

Trade name	:	STANDART Copper Powder F 400
Material number	:	060465VZ0

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 	long lasting effects.
Precautionary statements	 Prevention: P264 Wash skin thoroughly after H P273 Avoid release to the environ P280 Wear eye protection/ face p Response: P337 + P313 If eye irritation persi attention. P391 Collect spillage. Disposal: P501 Dispose of contents/ contain disposal plant. 	ment. rotection. sts: Get medical advice/
Hazardous components w	hich must be listed on the label CAS-No.	

Combustible Solids

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SECTION 3: Composition/information on ingredients

:

Substance name

: KU 1.AG LT UP

Substance No.

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
copper flakes (coated with aliphatic acid)	Not Assigned	Acute Tox.;4;H302 ;2A;H319 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	50 - 100

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 advice. If symptoms persist, call a physician. 		
In case of skin contact	: Wash off immediately with soap and plenty of water.		
In case of eye contact	 Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. 		
If swallowed	: Keep respiratory tract clear.		
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Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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 f	ire, 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.	ghting to enter drains or water
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	Wear self-contained breathing a necessary.	apparatus for firefighting if
Further information	:	Use extinguishing measures the circumstances and the surround	
		Standard procedure for chemic measures that are appropriate t surrounding environment.	a a
		Collect contaminated fire exting must not be discharged into dra	
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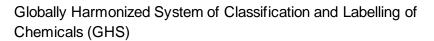
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	contaminated fire extinguishing water accordance with local regulations.	r must be disposed of in
SECTION 6: Accidental relea	ase measures	
6.1 Personal precautions, prote	ctive equipment and emergency proced	ures
Personal precautions	: Use personal 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 If the product contaminates rivers and respective authorities.	safe to do so.
6.3 Methods and materials for c	containment and cleaning up	
Methods for cleaning up	: Use mechanical handling equipment. Pick up and transfer to properly label Keep in suitable, closed containers for	led containers.
6.4 Reference to other sections	•	
For personal protection sees	section 8.	
SECTION 7: Handling and st	orage	
-	-	
7.1 Precautions for safe handlin	•	
Advice on safe handling	: Avoid creating dust. Routine houseke	eping snould 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

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	protection see section 8. Smoking, ea be prohibited in the application area. accordance with local and national rea	Dispose of rinse water in
Advice on protection against fire and explosion	: Normal measures for preventive fire p	protection.
	Avoid dust formation.	
Hygiene measures	: General industrial hygiene practice. D hands before breaks and at the end o from food and drink. Keep away from	f workday. Keep away
	When using do not eat or drink. When Wash hands before breaks and at the	
7.2 Conditions for safe storage, i	ncluding any incompatibilities	
Requirements for storage areas and containers	: Electrical installations / working mater the technological safety standards.	ials must comply with
	Keep away from sources of ignition - store near combustible materials. Kee closed in a cool, well-ventilated place quality, do not store in heat or direct s	ep containers tightly . To maintain product
	Keep container tightly closed in a dry place. Electrical installations / working with the technological safety standard	materials must comply
Further information on storage conditions	: Protect from humidity and water.	
Advice on common storage	: Keep away from oxidizing agents, stro strongly acid materials in order to avo Do not store together with oxidizing a	id exothermic reactions.
Dampness	: Keep in a dry, cool and well-ventilated	l place.
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Other data

: Keep in a dry place. No decomposition if stored and applied as directed.

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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:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
copper flakes (coated with aliphatic acid)	Not Assigned	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900

8.2 Exposure controls

Personal protective equipment

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	The exact break through time of	an be obtained from the
	from one producer to the other	
	its material but also on other q	
	The choice of an appropriate g	love does not only depend on
Remarks	: Leather gloves	
Material	: Leather	
Hand protection		
	: Wear face-shield and protectiv problems.	e suit for abnormal processing
Eye protection	: Safety glasses	

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protective glove producer and this has	
protective glove producer and this has	
	to be observed.
Recommended preventive skin protect	ion
: Long sleeved clothing	
Safety shoes	
: Dust impervious protective suit	
: Use suitable breathing protection if wor requires.	kplace concentration
Respirator with a dust filter	
P1 filter	
ontrols	
:	
: Prevent product from entering drains. Prevent further leakage or spillage if sa	afe to do so.
If the product contaminates rivers and I respective authorities.	akes or drains inform
The product should not be allowed to e courses or the soil.	nter drains, water
	 The suitability for a specific workplace with the producers of the protective glo Long sleeved clothing Safety shoes Dust impervious protective suit Choose body protection according to the concentration of the dangerous substant Use suitable breathing protection if work requires. Respirator with a dust filter P1 filter Prevent product from entering drains. Prevent further leakage or spillage if satisfies the product contaminates rivers and for the product should not be allowed to endowed the endowed to endowed the endowed to endowed to endowed to endowed to endowed to endowed

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: powder
Colour	: copper
Odour	: odourless
рН	: No data available

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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 Solids
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	:	immiscible
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

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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 No data available	
10.5 Incompatible materials		
Materials to avoid	: No data available	
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

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Acute toxicity

Components:			
copper flakes (coated with alip Acute oral toxicity :	hatic acid) : LD50 Oral Rat, male and female: 300 - 500 mg/kg		
	Method: OECD Test Guideline 423		
	The component/mixture is moderately toxic after single ingestion.		
Acute dermal toxicity :	LD50 Rat, male and female: > 2 000 mg/kg		
	Method: OECD Test Guideline 402		
	The substance or mixture has no acute dermal toxicity		
Skin corrosion/irritation			

Product

May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Product

Eye irritation

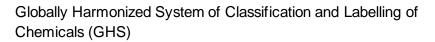
Respiratory or skin sensitisation

No data available

Carcinogenicity

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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

SECTION 12: Ecological information

12.1 Toxicity

Components: copper () :



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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

12.6 Other adverse effects

Product:

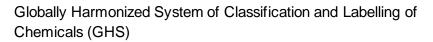
Additional ecological	:	An environmental hazard cannot be excluded in the event of
information		unprofessional handling or disposal., Very toxic to aquatic life
		with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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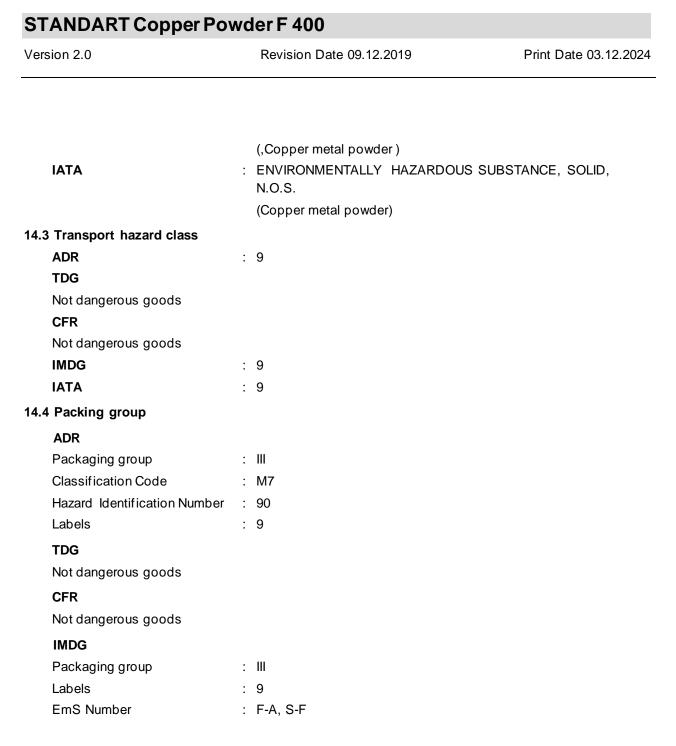


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		_	
Product	 The product should not be allowed to courses or the soil. Do not contaminate ponds, waterway chemical or used container. Send to a licensed waste manageme In accordance with local and national 	s or ditches with nt company.	
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. In accordance with local and national	-	

SECTION 14: Transport information

14.1 UN number	
ADR	: 3077
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: 3077
ΙΑΤΑ	: 3077
14.2 Proper shipping name	
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(Copper metal powder)
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
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ΙΑΤΑ

Packing instruction (cargo aircraft)	: 956
Packing instruction (passenger aircraft)	: 956
Packing instruction (LQ)	: Y956
Packaging group	: III
Labels	: 9
14.5 Environmental hazards	
IMDG	: Marine pollutant

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 Prohibition/Restriction

REACH - Candidate List of Substances of Very High : Not applicable

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Concern for Authorisation (Article 59). Prohibition/Restriction	
Regulation (EC) No 1005/2009 on substances that	: Not applicable
deplete the ozone layer	
Prohibition/Restriction	
Regulation (EC) No 850/2004 on persistent organic	: Not applicable
pollutants	

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text	of H-Statements
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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.

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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