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

### **METALSTAR Eco 10 0873 PANTONE 873**

Version 5.0 Revision Date 27.02.2023 Print Date 28.02.2023

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

#### **1.1 Product identifier**

Trade name	:	METALSTAR Eco 10 0873 PANTONE 873
Material number	:	072882RN0

#### 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 haz	zard, Category 1, H410
GHS-Labelling		
Symbol(s)		
Signal word	: Warning	
Hazard statements	: H302: Harmful if swallowed. H319: Causes serious eye irrita H410: Very toxic to aquatic life v	
Precautionary statements	<ul> <li>P273 Avoid release to the energy P280 Wear eye protection/ faints and the energy P301 + P317 + P330 IF SWA Rinse mouth.</li> <li>P305 + P351 + P338 IF IN E water for several minutes. Remaind easy to do. Continue rinsing P337 + P317 If eye irritation p P391 Collect spillage.</li> <li>Disposal:</li> </ul>	oke when using this product. vironment. ce protection. ALLOWED: Get medical help. YES: Rinse cautiously with ove contact lenses, if present
-	ich must be listed on the label	
Identification copper	CAS-No. 7440-50-8	

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#### **SECTION 3: Composition/information on ingredients**

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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	25 - 50
zinc	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	2,5 - 10
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	0,25 - 1

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.

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	Move out of dangerous area. Show this safety data sheet to the o Do not leave the victim unattended.	
If inhaled	<ul> <li>Remove to fresh air.</li> <li>If unconscious, place in recovery po advice.</li> <li>If symptoms persist, call a physicial</li> </ul>	
In case of skin contact	: Wash off immediately with soap an	d plenty of water.
In case of eye contact	: Immediately flush eye(s) with plenty Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a sp	
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic bevera Never give anything by mouth to ar If symptoms persist, call a physicial	unconscious person.

#### 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, Carbon dioxide (CO2)

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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	:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	Standard procedure for chemical fires.
		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. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment.
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#### **6.2 Environmental precautions**

Environmental prec	courses or the soil.	be allowed to enter drains, water
		tering drains. or spillage if safe to do so. tes rivers and lakes or drains inform
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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. Do not flush with water. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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	: Do not breathe vapours/dust. A eyes. For personal protection s and drinking should be prohibit Dispose of rinse water in accor regulations.	ee section 8. Smoking, eating ed in the application area.
Advice on protection against fire and explosion	: Keep away from heat and sour	ces of ignition. No smoking.
	Normal measures for preventiv	e fire protection.
Hygiene measures	: General industrial hygiene prac	tice.
	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	: Keep away from sources of ignition - No smoking. Do not store near combustible materials. Keep containers tightly closed in a cool, well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.
	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
Further information on storage conditions	: Protect from humidity and water.
Advice on common storage	<ul> <li>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.</li> </ul>
Dampness	: Keep in a dry, cool and well-ventilated place.
Other data	: No decomposition if stored and applied as directed.

#### 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	
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copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
zinc	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation		ompliance with the one risk of harming the time of the terming the terming the terming the terming the terming the terming the termine the termine termine the termine	U U	cal tolerance
zinc	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation		ompliance with the one of the one		cal tolerance

#### 8.2 Exposure controls

Personal protective equipm	ent		
Eye protection	:	Safety glasses	
	:	Tightly fitting safety goggles Wear face-shield and protective problems.	e suit for abnormal processing
Hand protection			
Material	:	Solvent-resistant gloves (butyl-	ubber)
Remarks	:	Take note of the information giv permeability and break through workplace conditions (mechanic	times, and of special
		The exact break through time c protective glove producer and the	
		Please observe the instructions	regarding permeability and
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		breakthrough time which are provided by gloves. Also take into consideration the s conditions under which the product is use danger of cuts, abrasion, and the contact	pecific local ed, such as the time.
		Recommended preventive skin protection	1
		Skin should be washed after contact. The suitability for a specific workplace sh with the producers of the protective glove	
	:	The suitability for a specific workplace sh with the producers of the protective glove	
Skin and body protection	:	Impervious clothing	
		Choose body protection according to the concentration of the dangerous substance	
Respiratory protection	:	Use suitable breathing protection if workp requires.	place concentration
		Equipment should conform to EN 14387	
Environmental exposure co General advice	ontr :	ols The product should not be allowed to entr courses or the soil.	er drains, water
	:	Prevent product from entering drains. Prevent further leakage or spillage if safe If the product contaminates rivers and lak respective authorities.	

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

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

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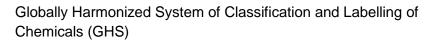
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Appearance	: liquid	
Colour	: gold	
Odour	: characteristic	
pН	: substance/mixture is not	n-soluble (in water)
Freezing point	: No data available	
Boiling point/boiling range	: > 100 °C	
Flash point	: >100 °C	
Bulk density	: No data available	
Flammability (solid, gas)	: No data available	
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	
Water solubility	: No data available	
Miscibility with water	: immiscible	
Solubility in other solvents	: No data available	
Partition coefficient: n-octanol/wate	er : 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	
0.2 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.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Poss	sibility of	hazardous	reactions

Hazardous reactions	: Stable under recommended storage conditions.
	No decomposition if stored and applied as directed.
10.4 Conditions to avoid	
Conditions to avoid	: Do not allow evaporation to dryness.
	No data available
10.5 Incompatible materials	
Materials to avoid	: No data available
10.6 Hazardous decomposition	products

#### 10.6 Hazardous decomposition products

Hazardous decomposition products	:
Other information	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

#### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

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#### Acute toxicity

#### Components:

#### copper :

Acute oral toxicity

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

#### Skin corrosion/irritation

#### **Product**

May cause skin irritation in susceptible persons.

#### Serious eye damage/eye irritation

#### 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

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#### 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

<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.
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Long-term (chronic) aquatic hazard <b>octadecylamine (124-30-1)</b> :	: Very toxic to aquatic life with long lasting effects.
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

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.

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#### **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	<ul> <li>Empty remaining contents.</li> <li>Dispose of as unused product.</li> <li>Do not re-use empty containers.</li> </ul>

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

14.1 UN number	
ADR	: 3082
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: 3082
ΙΑΤΑ	: 3082
14.2 Proper shipping name	
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	(Copper metal powder)
TDG	

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Not dangerous goods			
CFR			
Not dangerous goods			
IMDG	:	ENVIRONMENTALLY HAZARDOUS S N.O.S.	SUBSTANCE, LIQUID,
		(,Copper metal powder)	
ΙΑΤΑ	:	ENVIRONMENTALLY HAZARDOUS S N.O.S.	SUBSTANCE, LIQUID,
		(Copper metal powder)	
14.3 Transport hazard class			
ADR	:	9	
TDG			
Not dangerous goods			
CFR			
Not dangerous goods			
IMDG		9	
ΙΑΤΑ	:	9	
14.4 Packing group			
ADR			
Packaging group	:	III	
		M6	
Hazard Identification Number			
Labels		9	
Tunnel restriction code	:	(-)	
TDG			
Not dangerous goods			
CFR			

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Not dangerous goods

	IMDG		
	Packaging group	:	III
	Labels	:	9
	ΙΑΤΑ		
	Packing instruction (cargo aircraft)	:	964
	Packing instruction (passenger aircraft)	:	964
	Packing instruction (LQ)	:	Y964
	Packaging group	:	III
	Labels	:	9
14.5	Environmental hazards		

ADR	: Environmentally hazardous
IMDG	: Marine pollutant

#### 14.6 Special precautions for user

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

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

#### 15.2 Chemical safety assessment

No data available

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

Full text of H-Stat	nents		
H302	: Harmful if swallowed.		
H304	: May be fatal if swallowed and enters airways.		
H315	: Causes skin irritation.		
H318	: Causes serious eye damage.	: Causes serious eye damage.	
H319	: Causes serious eye irritation.	: Causes serious eye irritation.	
H373	: May cause damage to organs through prolonged or repeated		
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	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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