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

METALSTAR PANTONE 874 07 2874

Version 6.0

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 PANTONE 874 07 2874
Material number	:	076463RN0

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

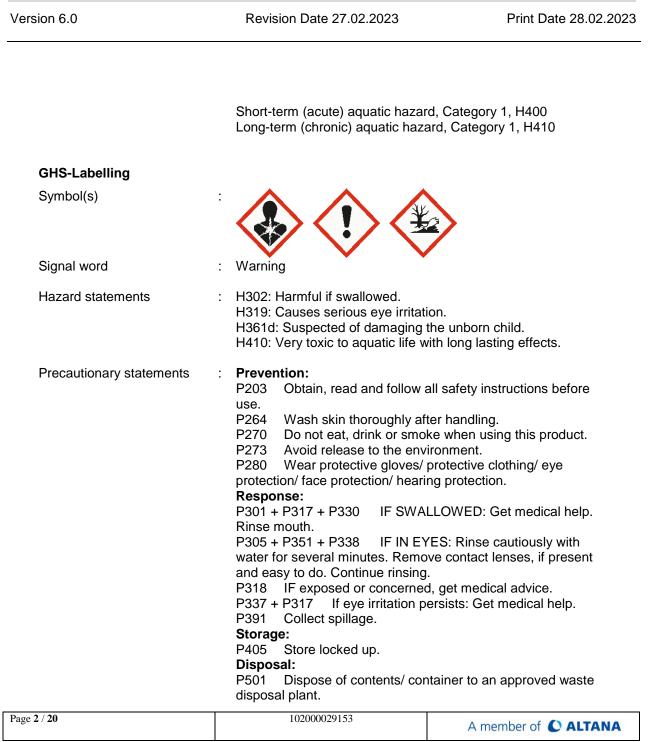
GHS Classification

: Acute toxicity, Category 4, Oral, H302 Serious eye damage/eye irritation, Category 2A, H319 Reproductive toxicity, Category 2, H361d



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Hazardous components which must be listed on the label

:

IdentificationCAS-No.copper7440-50-81-isopropyl-2,2-dimethyltrimethylene6846-50-0diisobutyrate

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	25 - 50
Distillates (petroleum), hydrotreated middle	64742-46-7 265-148-2	Asp. Tox.;1;H304	10 - 20
zinc	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	2,5 - 10
Petroleum resins	64742-16-1 265-116-8	Aquatic Chronic;4;H413	2,5 - 10
1-isopropyl-2,2-	6846-50-0	Repr.;2;H361d	1 - 2,5

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dimethyltrimethylene diisobutyrate	229-934-9	Aquatic Chronic;3;H412	
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.	
		Move out of dangerous area. Show this safety data sheet to t Do not leave the victim unatten	
If inhaled	:	Remove to fresh air. If unconscious, place in recover advice. If symptoms persist, call a phys	
In case of skin contact	:	Wash off immediately with soap	and plenty of water.
In case of eye contact	:	Immediately flush eye(s) with p Remove contact lenses. Keep eye wide open while rinsi If eye irritation persists, consult	ng.
If swallowed	:	Induce vomiting immediately ar	nd call a physician.
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Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

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 fi	re, Dry sand, ABC powder
Unsuitable extinguishing media	:	Water, High volume water jet, C	Carbon dioxide (CO2)
5.2 Special hazards arising from	the	e substance or mixture	
Specific hazards during firefighting	:	Do not allow run-off from fire fig courses.	hting 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	:	Standard procedure for chemic	al fires.
		Collect contaminated fire exting must not be discharged into dra contaminated fire extinguishing accordance with local regulation	ins. Fire residues and water must be disposed of in
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	measures that are appropriate to loca surrounding environment.	I circumstances and the
SECTION 6: Accidental releas	e measures	
6.1 Personal precautions, protect	live equipment and emergency proced	ures
Personal precautions	: Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment.	
6.2 Environmental precautions		
Environmental precautions :	: The product should not be allowed to courses or the soil.	enter drains, water
	Prevent product from entering drains. Prevent further leakage or spillage if s If the product contaminates rivers and respective authorities.	safe to do so.
6.3 Methods and materials for co	ntainment and cleaning up	
Methods for cleaning up	: Use mechanical handling equipment.	
	Pick up and transfer to properly labell Do not flush with water. Contain spillage, and then collect with absorbent material, (e.g. sand, earth, vermiculite) and place in container for local / national regulations (see section	n non-combustible diatomaceous earth, disposal according to
	Soak up with inert absorbent material acid binder, universal binder, sawdus Keep in suitable, closed containers fo	t).
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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. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	:	Keep away from heat and sources of ignition. No smoking.
		Normal measures for preventive fire protection.
Hygiene measures	:	General industrial hygiene practice.
		When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	: Keep away from sources of igr store near combustible materia closed in a cool, well-ventilated quality, do not store in heat or	als. Keep containers tightly d place. To maintain product
	Keep container tightly closed in place. Containers which are op resealed and kept upright to pr precautions. Electrical installat comply with the technological s	bened must be carefully revent leakage. Observe label ions / working materials must
Further information on storage conditions	: Protect from humidity and wate	er.
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Advice on common storage	: Keep away from oxidizing agents, str strongly acid materials in order to avo Do not store together with oxidizing a	bid exothermic reactions.
Dampness	: Keep in a dry, cool and well-ventilate	d place.
Other data	: No decomposition if stored and applie	ed 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
copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
Distillates (petroleum), hydrotreated middle	64742-46- 7	AGW	600 mg/m3	2009-02-16	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900			also No. 2.9
zinc	7440-66-6	AGW (Inhalable 10 mg/m3 2021-07-02 DE TRGS 900 fraction)			
Peak-limit: exc factor (categor		2;(II)	•	•	
			00000150	1	

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Further informa	ation		ompliance with the no risk of harming		
zinc	7440-66-6	AGW (Alveolate 1,25 mg/m3 2021-07-02 DE TRGS fraction)			DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

8.2 Exposure controls

Personal protective eq	Juipment	
Eye protection	:	Safety glasses
	:	Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
Hand protection		
Material	:	Solvent-resistant gloves (butyl-rubber)
Remarks	:	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection

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		Skin should be washed after contact. The suitability for a specific workplace with the producers of the protective glo	
	:	The suitability for a specific workplace with the producers of the protective global states of the protective global states and the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the producers of the protective global states are states as a specific workplace with the protective global states are states as a specific workplace with the protective global states are states as a specific workplace with the protective global states are states as a specific workplace with the protective global states are state	
Skin and body protection	:	Impervious clothing Choose body protection according to t concentration of the dangerous substa	
Respiratory protection	:	Use suitable breathing protection if wo requires.	orkplace concentration
		Equipment should conform to EN 143	87
Environmental exposure c General advice	ontro :	bls The product should not be allowed to courses or the soil.	enter drains, water
	:	Prevent product from entering drains. Prevent further leakage or spillage if s	afe to do so.
		If the product contaminates rivers and respective authorities.	lakes or drains inform
CTION 9: Physical and ch	emi	cal properties	

Appearance	: liquid	
Colour	: gold	
Odour	: characteristic	
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рН	: substance/mixture	e is non-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		
Viscosity, dynamic	: No data available	
Viscosity, kinematic	: > 22 mm2/s (40 °C	C)

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Flow time

9.2 Other information

No data available

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: 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 Possibility 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 p	roducts
Hazardous decomposition products	:

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Other information

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hydrocarbons (smoke).

: Carbon monoxide, carbon dioxide and unburned





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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

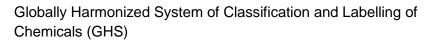
Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

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STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product

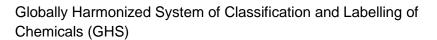
No data available

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 zinc (7440-66-6) :	:	Very toxic to aquatic life with lo	ng 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 lo	ng lasting effects.
Petroleum resins (64742-16-	·1) :	:	
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Ecotoxicology Assessment

Long-term (chronic) aquatic hazard	: May cause long lasting harmful effects to aquatic life.
1-isopropyi-z,z-dimethyltrim	ethylene diisobutyrate (6846-50-0) :
Toxicity to daphnia and other aquatic invertebrates Ecotoxicology Assessment	: (Daphnia (water flea)): 2,46 mg/l
Long-term (chronic) aquatic hazard octadecylamine (124-30-1) :	: Harmful 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

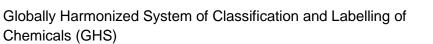
No data available

12.6 Other adverse effects

Product:

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Additional ecological : information	An environmental hazard cannot be exclude unprofessional handling or disposal., Very t with long lasting effects.	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

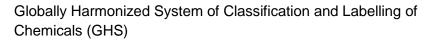
SECTION 14: Transport information

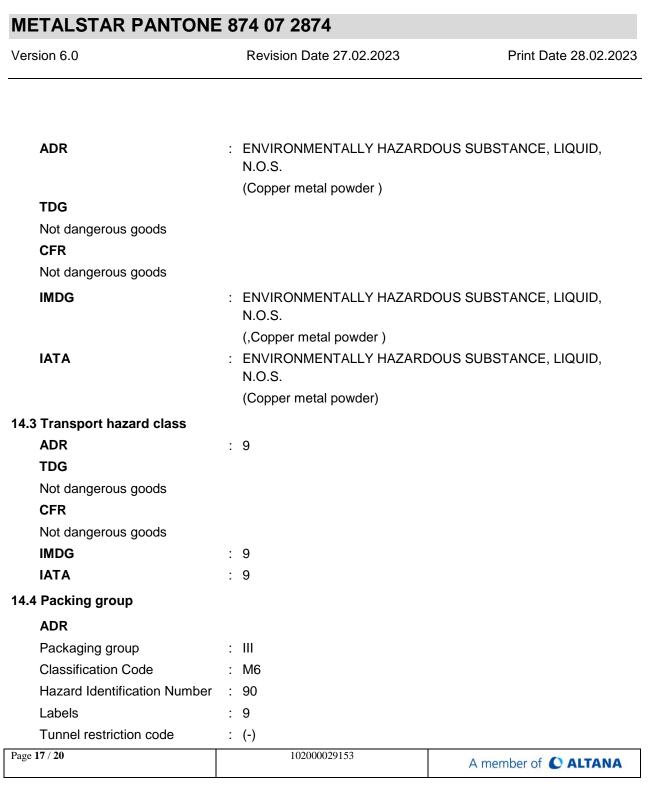
14.1 UN number

ADR	:	3082
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG	:	3082
ΙΑΤΑ	:	3082

14.2 Proper shipping name

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TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Packaging group Labels	: III : 9
ΙΑΤΑ	
Packing instruction (cargo aircraft)	: 964
Packing instruction (passenger aircraft)	: 964
Packing instruction (LQ)	: Y964
Packaging group	: 111
Labels	: 9
14.5 Environmental hazards	
ADR	: Environmentally hazardous

IMDO	· Marina nallutant
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)	:	
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Banned and/or restricted (Distillates (petroleum), hydro middle; Gasoil — unspecified (1-isopropyl-2,2- dimethyltrimethylene diisobu (manganese neodecanoate)

15.2 Chemical safety assessment

No data available

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SECTION 16: Other information

Full text of H-Statements	
H302 :	Harmful if swallowed.
H304 :	May be fatal if swallowed and enters airways.
H315 :	Causes skin irritation.
H318 :	Causes serious eye damage.
H319 :	Causes serious eye irritation.
H361d :	Suspected of damaging the unborn child.
H373 :	May cause damage to organs through prolonged or repeated exposure if swallowed.
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.
H413 :	May cause long lasting harmful effects to aquatic life.

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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