according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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

1.1 Product identifier		
Trade name	:	METALSTAR PANTONE 871 07 2871
Product code	:	076460RN0
1.2 Relevant identified uses of the	ne s	substance or mixture and uses advised against
Use of the Substance/Mixture	:	Colorant; Printing ink related material; Printing ink, Colouring agents, dyes
1.3 Details of the supplier of the	saf	ety data sheet
Company	:	ECKART Suisse SA
		Route de la Brasserie 2
		1963 Vátroz

	1963 Vétroz	
Telephone	: +410273454800	
Telefax	: +410273454859	
E-mail address of person responsible for the SDS	: msds.eckart@altana.com	<u>1</u>

1.4 Emergency telephone number

NCEC: +44 1235 239670 (Europe) Call and response in your language is possible. Contract no.: ECKART29003-NCEC.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Short-term (acute) aquatic hazard,	H400: Very toxic to aquatic life.
Category 1	
Long-term (chronic) aquatic hazard,	H410: Very toxic to aquatic life with long lasting
Category 1	effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazar	d pictograms	:		
Signa	l word	:	Warning	
Hazar	d statements	:	H302 H319 H410	Harmful if swallowed. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.
Preca	utionary statements	:	Prevention: P264 P273 P280 Response: P337 + P313 P391	Wash skin thoroughly after handling. Avoid release to the environment. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention. Collect spillage.
			Disposal: P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

Copper

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

components			
Chemical name	CAS-No.	ClassificationREGUL	Concentration
	EC-No.	ATION (EC) No	(% w/w)
	Index-No.	1272/2008	
	Registration number		
Copper	7440-50-8	Acute Tox. 4; H302	>= 25 - < 50
	231-159-6	Eye Irrit. 2; H319	
		Aquatic Acute 1;	
	01-2119480154-42	H400	
		Aquatic Chronic 1;	
		H410	
		M-Factor (Acute	
		aquatic toxicity): 10	

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		M-Factor (Chronic aquatic toxicity): 10	
Distillates (petroleum), solvent- refined middle; Gasoil — unspecified	64741-91-9 919-029-3	Asp. Tox. 1; H304	>= 10 - <
zinc powder — zinc dust (stabilised)	7440-66-6 231-175-3 030-001-01-9 01-2119467174-37	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute	>= 10 - <
		aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
Petroleum resins	64742-16-1 265-116-8	Aquatic Chronic 4; H413	>= 2.5 - <
1-isopropyl-2,2- dimethyltrimethylene diisobutyrate	6846-50-0 229-934-9	Repr. 2; H361d Aquatic Chronic 3; H412	>=1-<
octadecylamine	01-2119451093-47 124-30-1 204-695-3 612-282-00-8 01-2119473804-32	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 2; H373 (Liver, Gastrointestinal tract, Immune system) Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic	>= 0.25 -
amines, hydrogenated tallow alkyl	61788-45-2(90640- 32-7) 262-976-6 612-284-00-9	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 2; H373 (Liver, Gastrointestinal tract, Immune system) Asp. Tox. 1; H304	>= 0.025 0.1

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			Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	

For explanation of abbreviations 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 the doctor in attendance. Do not leave the victim unattended.
If inhaled	 Remove to fresh air. 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	 Induce vomiting immediately and call a physician. 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	l effects, both acute and delayed
Risks	Harmful if swallowed. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed This information is not available.

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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)
5.2 Special hazards arising from	the	e substance or mixture
Specific hazards during firefighting	:	
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, protectiv	ve equipment and emergency procedures
Personal precautions	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment.
6.2 Environmental precautions	
General advice	 The product should not be allowed to enter drains, water courses or the soil. 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.
6.3 Methods and material for conta	ainment and cleaning up

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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. : 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 : Keep away from heat and sources of ignition. No smoking. fire and explosion Normal measures for preventive fire protection. General industrial hygiene practice. Hygiene measures 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 Keep away from sources of ignition - No smoking. Do not areas and containers 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. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. Further information on Protect from humidity and water. storage conditions

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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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.		
Da	Dampness		Keep in a dry, co	ol and well-ventilated place.	
Further information on storage stability		:	No decomposition if stored and applied as directed.		

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Copper	7440-50-8	TWA (Fumes)	0.2 mg/m3 (Copper)	GB EH40
		TWA (Dusts and mists)	1 mg/m3 (Copper)	GB EH40
		STEL (Dusts and mists)	2 mg/m3 (Copper)	GB EH40
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (Inhalable)	10 mg/m3	GB EH40
		TWA (Respirable fraction)	4 mg/m3	GB EH40

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Copper	Workers	Dermal	Long-term systemic effects	137 mg/kg
	Workers	Dermal	Acute systemic effects	273 mg/kg
	Workers	Inhalation	Long-term systemic effects	20 mg/m3
	Consumers	Inhalation	Long-term local effects	1 mg/m3
	Consumers	Inhalation	Acute local effects	1 mg/m3
	Consumers	Dermal	Long-term systemic effects	137 mg/kg
	Consumers	Dermal	Acute systemic effects	273 mg/kg
	Consumers	Oral	Long-term systemic effects	0.041 mg/kg
zinc powder — zinc dust (stabilised)	Workers	Inhalation	Long-term systemic effects	5 mg/m3

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		Workers	Dermal	Long-term systemic effects	83 mg/kg	
		Consumers	Inhalation	Long-term systemic effects	2.5 mg/m3	
		Consumers	Dermal	Long-term systemic effects	83 mg/kg	
		Consumers	Oral	Long-term systemic effects	0.83 mg/kg	
dimet	propyl-2,2- hyltrimethylene putyrate	Workers	Dermal	Long-term systemic effects	5.00 mg/kg	
		Workers	Inhalation	Long-term systemic effects	17.62 mg/m3	
		Consumers	Oral	Long-term systemic effects	5.00 mg/kg	
		Consumers	Dermal	Long-term systemic effects	5.00 mg/kg	
		Consumers	Inhalation	Long-term systemic effects	4.35 mg/m3	
amine tallow	es, hydrogenated ralkyl	Workers	Inhalation	Long-term systemic effects	0.38 mg/m3	
		Workers	Inhalation	Long-term local effects	1 mg/m3	
		Workers	Inhalation	Acute local effects	1 mg/m3	
		Consumers	Inhalation	Long-term systemic effects	0.035 mg/m	
		Consumers	Oral	Long-term systemic effects	0.04 mg/kg	

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Copper	Fresh water	0.0078 mg/l
	Marine water	0.0052 mg/l
	STP	0.230 mg/l
	Fresh water sediment	87 mg/kg
	Marine sediment	676 mg/kg
	Soil	65 mg/kg
zinc powder — zinc dust (stabilised)	Fresh water	0.0206 mg/l
	Marine water	0.0061 mg/l
	STP	0.100 mg/l
	Fresh water sediment	235.6 mg/kg
	Marine sediment	121 mg/kg
	Soil	35.6 mg/kg
1-isopropyl-2,2- dimethyltrimethylene diisobutyrate	Fresh water	0.014 mg/l
	Marine water	0.0014 mg/l
	Fresh water sediment	5.29 mg/kg
	Soil	1.05 mg/kg

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0.0016 mg/l

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				STP		3 mg/l
				Marine sedimer	nt	0.529 mg/kg
	amines, hydrogenated tallow alkyl			oral (secondary poisoning)		83.3 mg/kg
				Fresh water		0.00026 mg/l
				Marine water		0.000026 mg/l
			Sewage treatment plant		0.55 mg/kg	
			Fresh water sediment		3.76 mg/kg	
				Marine sediment		376 mg/kg
			Soil 10 r		10 mg/kg	

Intermittent Release

8.2 Exposure controls

Personal protective equipment					
Eye/face 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 Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.				
Skin and body protection :	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.				
Respiratory protection :	Use suitable breathing protection if workplace concentration requires. Equipment should conform to EN 14387				

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form : liquid

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	Colour		:	gold	
	Odour		:	characteristic	
	Odour [.]	Threshold	:	No data available)
	Freezin	g point	:	No data available	9
	Boiling	point/boiling range	:	> 100 °C	
	Flamma	ability	:	No data available	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Flash p	oint	:	> 100 °C	
	Auto-ig	nition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	рН		:	substance/mixtu	e is non-soluble (in water)
	Viscosi Viscosi	ity ity, kinematic	:	> 21 mm2/s (40 °	°C)
		ity(ies) solubility ity in other solvents	:	insoluble No data available)
	Partitio octanol	n coefficient: n-	:	No data available)
		pressure	:	No data available	
	Ďistil hydro	Pressure for Component llates (petroleum), ptreated middle;	nts: :	4 hPa (40 °C)	
	1-iso dime	bil — unspecified propyl-2,2- thyltrimethylene butyrate	:	1.5 Pa (25 °C)	
	amin	es, hydrogenated w alkyl	:	< 1 hPa (20 °C)	
		e density	:	No data available)
	Density	/	:	1.4 g/cm3	

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Relat	tive vapour density	:	No data available	9
	cle characteristics article Size Distribution	:	No data available	9
	information ata available			
SECTIO	N 10: Stability and re	acti	vity	
10.1 Read No d	ctivity ecomposition if stored a	nd aj	oplied as directed.	
	mical stability ecomposition if stored a	nd aj	oplied as directed.	
	sibility of hazardous re	actio		
Haza	rdous reactions	:	Stable under rec	ommended storage conditions.
			No decomposition	on if stored and applied as directed.
	ditions to avoid			
Conc	ditions to avoid	:	Do not allow eva	poration to dryness.
			No data available	9
10.5 Inco	mpatible materials			
10.6 Haza	ardous decomposition	proc	lucts	
Therr	mal decomposition	:	Carbon monoxid hydrocarbons (s	e, carbon dioxide and unburned moke).
SECTIO	N 11: Toxicological in	nfor	mation	
11.1 Info	rmation on hazard class	ses	as defined in Reg	ulation (EC) No 1272/2008
	e toxicity nful if swallowed.			
<u>Prod</u> Acute	luct: e oral toxicity	:	Acute toxicity est Method: Calculati	imate: 1,597 mg/kg on method
<u>Com</u>	ponents:			
Сорг	-			
	e oral toxicity	:	Assessment: The	component/mixture is moderately toxic after

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		single ingestior).
Distil	lates (petroleum), so	olvent-refined middle;	Gasoil — unspecified:
	oral toxicity	: LD50 (Rat): > 5	-
Acute	e dermal toxicity	: LD50 (Rabbit):	> 2,000 mg/kg
zinc j	powder — zinc dust	(stabilised):	
Acute	oral toxicity	: (Rat): > 2,000	mg/kg
Acute	inhalation toxicity	: LC50 (Rat): 5.4 Exposure time: Test atmosphe	4 h
1-isoj	propyl-2,2-dimethyltr	imethylene diisobuty	rate:
Acute	e dermal toxicity	: LD50 Dermal (F Method: OECD	Rabbit): > 2,000 mg/kg Test Guideline 402
amin	es, hydrogenated tal	low alkyl:	
Acute	e oral toxicity		,000 - 5,000 mg/kg Test Guideline 401
Skin	corrosion/irritation		
Not c	lassified based on ava	ailable information.	
<u>Prod</u>			
Rema	ırks	: May cause skin	irritation in susceptible persons.
<u>Com</u> p	oonents:		
Сорр	er:		
Rema	ırks	: May cause skin	irritation in susceptible persons.
1-isoj	propyl-2,2-dimethyltr	imethylene diisobuty	rate:
Speci		: Rabbit	
	sure time	: 4 h	
N 4 - + I		: OECD Test Gui	
Metho	+	: No skin irritation	1
Resul	l l		
Resul octad	lecylamine:		
Resul octad		: Irritating to skin	
Resul octad Asses	lecylamine:	-	

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	Remarks		:	May cause skin in	ritation in susceptible persons.		
	Seriou	s eye damage/eye ir	ritati	on			
		serious eye irritation					
	Produc	<u>xt:</u>					
	Remark	S	:	May cause irrever	sible eye damage.		
	<u>Compc</u>	onents:					
	Coppe	r:					
	Result		:	Eye irritation			
	1-isopr	opyl-2,2-dimethyltrin	neth	ylene diisobutyra	te:		
	Specie		:	Rabbit			
	Exposu Method	ure time	:	72 h			
	Result	1	÷	: OECD Test Guideline 405: No eye irritation			
		cylamine:					
	Assess	ment	:	Corrosive			
	amines	s, hydrogenated tallo	ow a	lkyl:			
	Result		:	: Irreversible effects on the eye			
	Remark	S	:	May cause irrever	sible eye damage.		
	Respiratory or skin sensitisa		satio	n			
	Skin se	ensitisation					
	Not cla	ssified based on avail	able	information.			
	•	atory sensitisation ssified based on avail	able	information.			
	Germ cell mutagenicity Not classified based on available information.						
		ogenicity ssified based on avail	able	information.			
	Compo	onents:					
	Distilla	tes (petroleum), sol	vent	-refined middle; G	asoil — unspecified:		
		genicity -	:	Classified based of	on the conditions cited in Nota N (Regulation Annex VI, Part 3, Note N)		

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Reproductive toxicity

Not classified based on available information.

Components:

1-isopropyl-2,2-dimethyltrimethylene diisobutyrate:

Reproductive toxicity -:Some evidence of adverse effects on development, based on
animal experiments.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Components:

octadecylamine:

Exposure routes	:	Ingestion
Target Organs	:	Liver, digestive system, Immune system
Assessment	:	May cause damage to organs through prolonged or repeated
		exposure.

amines, hydrogenated tallow alkyl:

Target Organs	: Liver, Gastrointestinal tract, Immune system
Assessment	: The substance or mixture is classified as specific target organ
	toxicant, repeated exposure, category 2.

Aspiration toxicity

Not classified based on available information.

Components:

Distillates (petroleum), solvent-refined middle; Gasoil — unspecified:

May be fatal if swallowed and enters airways.

octadecylamine:

May be fatal if swallowed and enters airways.

amines, hydrogenated tallow alkyl:

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Further information

Product:

Remarks

: No data available

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Components:

Copper:

Remarks : No data available

zinc powder — zinc dust (stabilised): Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

Copper:		
M-Factor (Short-term (acute) aquatic hazard)	:	10
M-Factor (Long-term (chronic) aquatic hazard)	:	10
Ecotoxicology Assessment		
Acute aquatic toxicity	:	Very toxic to aquatic life.
Chronic aquatic toxicity	:	Very toxic to aquatic life with long lasting effects.
zinc powder — zinc dust (sta	abi	lised):
M-Factor (Short-term (acute) aquatic hazard)	:	1
M-Factor (Long-term (chronic) aquatic hazard)	:	1
Ecotoxicology Assessment		
Acute aquatic toxicity	:	Very toxic to aquatic life.
Chronic aquatic toxicity	:	Very toxic to aquatic life with long lasting effects.
Petroleum resins:		
Ecotoxicology Assessment		
Chronic aquatic toxicity	:	May cause long lasting harmful effects to aquatic life.
1-isopropyl-2,2-dimethyltrime	eth	ylene diisobutyrate:
Toxicity to daphnia and other aquatic invertebrates	:	(Daphnia (water flea)): 2.46 mg/l

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Ecot	toxicology Assessment		
	nic aquatic toxicity		atic life with long lasting effects.
octa	decylamine:		
	actor (Short-term (acute)	: 10	
M-Fa	atic hazard) actor (Long-term onic) aquatic hazard)	: 10	
Ecot	toxicology Assessment		
Acut	e aquatic toxicity	: Very toxic to a	quatic life.
Chro	nic aquatic toxicity	: Very toxic to a	quatic life with long lasting effects.
amir	nes, hydrogenated tallo	w alkyl:	
	actor (Short-term (acute) atic hazard)	: 10	
M-Fa	actor (Long-term onic) aquatic hazard)	: 10	
Ecot	toxicology Assessment		
Acut	e aquatic toxicity	: Very toxic to a	quatic life.
Chro	nic aquatic toxicity	: Very toxic to a	quatic life with long lasting effects.
	sistence and degradabi lata available	lity	
	accumulative potential lata available		
	bility in soil lata available		
12.5 Res	ults of PBT and vPvB a	ssessment	
Proc	luct:		
Asse	essment	to be either per	e/mixture contains no components considered rsistent, bioaccumulative and toxic (PBT), or and very bioaccumulative (vPvB) at levels of
	ocrine disrupting propolata available	erties	
12.7 Othe	er adverse effects		
Proc	luct:		
	itional ecological	· An environmen	tal hazard cannot be excluded in the event o

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nation	-	l handling or disposal. quatic life with long lasting effects.		
oonents:				
er:				
ional ecological nation	unprofessiona	 An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects. 		
oowder — zinc dust	(stabilised):			
ional ecological nation	unprofessiona	An environmental hazard cannot be excluded in the event o unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.		
es, hydrogenated ta	llow alkyl:			
ional ecological nation	: An environmer unprofessiona	: An environmental hazard cannot be excluded in the event or unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.		
	30.04.2024 hation bonents: er: ional ecological hation bowder — zinc dust ional ecological hation es, hydrogenated tal ional ecological	30.04.2024 102000029150 nation unprofessional Very toxic to a conents: er: ional ecological : An environmen unprofessional Very toxic to a cowder — zinc dust (stabilised): ional ecological : An environmen unprofessional Very toxic to a cowder — zinc dust (stabilised): ional ecological : An environmen unprofessional Very toxic to a cowder and a stability of the stability of		

SECTION 13: Disposal considerations

European Waste Catalogue	:	08 03 12* - waste ink containing dangerous substances
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 or ID number

ADR	: UN 3082
IMDG	: UN 3082
ΙΑΤΑ	: UN 3082

14.2 UN proper shipping name

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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ADR	R	:	ENVIRONMENT N.O.S. (Copper metal p	ALLY HAZARDOUS SUBSTANCE, LIQUID,
IMD	G	:	ENVIRONMENT N.O.S. (Copper metal p	ALLY HAZARDOUS SUBSTANCE, LIQUID,
IAT	A	:	Environmentally (Copper metal p	hazardous substance, liquid, n.o.s. owder)
14.3 Tra	nsport hazard class(es)			
			Class	Subsidiary risks
ADF	2	:	9	
IMD			9	
IAT		•	9	
		•	5	
	king group			
Clas Haza Labo	king group sification Code ard Identification Number	:	III M6 90 9 (-)	
Labe	king group els	:	III 9	
Em	S Code	:	F-A, S-F	
	A (Cargo) king instruction (cargo raft)	:	964	
Pac	king instruction (LQ)	:	Y964	
Pac Labe	king group els	:	III 9	
	A (Passenger)	•		
Pac (pas	king instruction ssenger aircraft)	:	964	
	king instruction (LQ)	:	Y964	
Pac Labe	king group els	:	 9	
	vironmental hazards			
ADF	2			
	ronmentally hazardous	:	yes	
IMD	G			
Mari	ine pollutant	:	yes	

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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14.6 Special precautions for user

Remarks

 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.

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 3 Distillates (petroleum), hydrotreated middle; Gasoil — unspecified (Number on list 3) 1-isopropyI-2,2-dimethyltrimethylene diisobutyrate (Number on list 3)
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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H315 H318 H319 H361d H373 H400 H410 H412 H413			Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. May cause long lasting harmful effects to aquatic life.	
Full te	xt of other abbreviation	ons		
Aquation Asp. To Eye Da Eye Irri Repr. Skin Irr STOT GB EH GB EH	c Acute c Chronic ox. am. t. it. RE		Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Aspiration hazard Serious eye damage Eye irritation Reproductive toxicity Skin irritation Specific target organ toxicity - repeated exposure UK. EH40 WEL - Workplace Exposure Limits Long-term exposure limit (8-hour TWA reference period) Short-term exposure limit (15-minute reference period)	

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the	Classification procedure:	
Acute Tox. 4	H302	Calculation method
Eye Irrit. 2	H319	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

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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