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

Metallic Paint Decoration Gold 25 I

Version 2.0	Revision Date 16.08.2023	Print Date 17.08.2023

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

1.1 Product identifier

Trade name Material number : Metallic Paint Decoration Gold 25 I : 08210328V

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

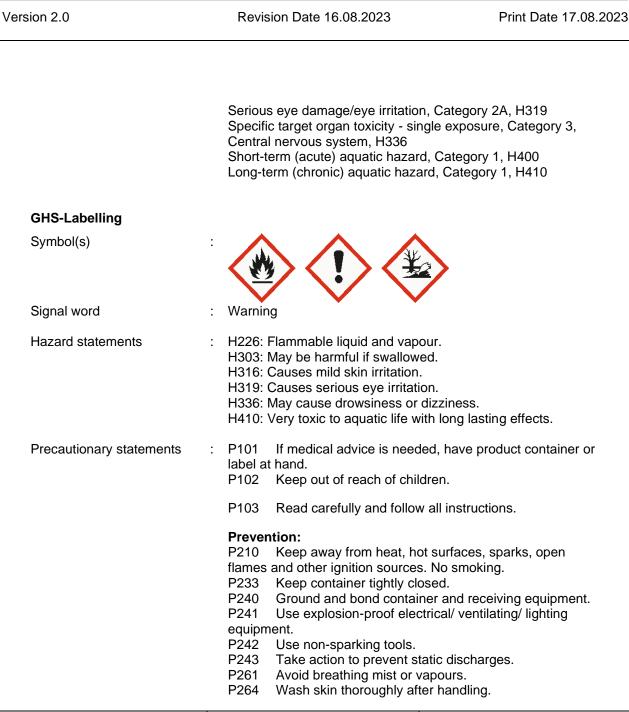
Flammable liquids, Category 3, H226 : Acute toxicity, Category 5, Oral, H303 Skin corrosion/irritation, Category 3, H316

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Version 2.0	 P271 Use only outdoors or in a P273 Avoid release to the envi P280 Wear protective gloves/p protection/ face protection/ hearin Response: P301 + P332 + P317 IF SWAL occurs: Get medical help. P303 + P361 + P353 IF ON SI immediately all contaminated clot with water. P304 + P340 + P319 IF INHAI air and keep comfortable for breat feel unwell. P305 + P351 + P338 IF IN EY water for several minutes. Removand easy to do. Continue rinsing. P370 + P378 In case of fire: Us alcohol-resistant foam to extingui P391 Collect spillage. Storage: P403 + P233 Store in a well-vet tightly closed. P403 + P235 Store in a well-vet P405 Store locked up. Disposal: 	a well-ventilated area. ronment. protective clothing/ eye ng protection. LOWED or if skin irritation KIN (or hair): Take off thing. Rinse affected areas LED: Remove person to fresh athing. Get medical help if you ES: Rinse cautiously with ve contact lenses, if present ersists: Get medical help. se dry sand, dry chemical or

Hazardous components which must be listed on the label

Identification	CAS-No.
n-butyl acetate	123-86-4
copper	7440-50-8
Solvent naphtha (petroleum), light arom.	64742-95-6

SECTION 3: Composition/information on ingredients

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:

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Substance No.

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
n-butyl acetate	123-86-4 204-658-1	Flam. Liq.;3;H226 STOT SE;3;H336	20 - 25
copper	7440-50-8 231-159-6	Acute Tox.;4;H302 Eye Dam./Irrit.;2A;H319 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	10 - 20
xylene	1330-20-7 215-535-7	Flam. Liq.;3;H226 Acute Tox.;4;H332 Skin Corr./Irrit.;2;H315 Eye Dam./Irrit.;2A;H319 STOT SE;3;H335 STOT RE;2;H373 Asp. Tox.;1;H304	1 - 10
Solvent naphtha (petroleum), light arom.	64742-95-6 918-668-5	Flam. Liq.;3;H226 Acute Tox.;5;H303 Acute Tox.;5;H313 STOT SE;3;H335, H336 Asp. Tox.;1;H304 Aquatic Chronic;2;H411	2,5 - 10

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nc 7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	2,5 - 10
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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 the doctor in attendance.
If inhaled	: Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	 Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
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. 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.

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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 substance or mixture

Specific hazards firefighting	during :	: Do not allow run-off from fire fighting to enter drains or water courses.
5.3 Advice for firefig	hters	
Special protective for firefighters	e equipment :	: Wear self-contained breathing apparatus for firefighting if necessary.
Further informati	on :	: 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. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

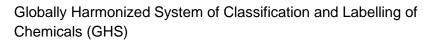
Personal precautions

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.			
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: Evacuate personnel to safe areas.







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	Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to for concentrations. Vapours can accumula		
6.2 Environmental precautions			
Environmental precautions : The product should not be allowed to enter drains courses or the soil.		enter drains, water	
	Prevent product from entering drains. Prevent further leakage or spillage if sa If the product contaminates rivers and respective authorities.		
6.3 Methods and materials for cont	tainment and cleaning up		
Methods for cleaning up	: Use mechanical handling equipment. Pick up and transfer to properly labelle Do not flush with water. Contain spillage, and then collect with absorbent material, (e.g. sand, earth, o vermiculite) and place in container for local / national regulations (see section	non-combustible diatomaceous earth, disposal according to	
6.4 Reference to other sections			
For personal protection see sect	tion 8.		
SECTION 7: Handling and stora	ige		
7.1 Precautions for safe handling			
Advice on safe handling	: Avoid formation of aerosol. Do not brea Avoid exposure - obtain special instruct		

Ing : Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or

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		Open drum carefully as content may ose of rinse water in accordance with ions.	
Advice on protection against fire and explosion	: Keep away from heat and	d sources of ignition. No smoking.	
	Take necessary action to (which might cause ignition	flame or any incandescent material. avoid static electricity discharge on of organic vapours). Keep away rfaces and sources of ignition.	
Hygiene measures	: General industrial hygien	e 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, i	cluding any incompatibilit	ies	
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.		
	No smoking. 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	 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.		
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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:

Page

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
n-butyl acetate	123-86-4	AĠW	62 ppm 300 mg/m3	2012-09-13	DE TRGS 900
Peak-limit: exe factor (catego		2;(l)			
Further inform	ation		dangerous substan d biological tolerand oorn child		
n-butyl acetate	123-86-4	STEL	150 ppm 723 mg/m3	2019-10-31	2019/1831/EU
Further inform	ation	Indicative			
n-butyl acetate	123-86-4	TWA	50 ppm 241 mg/m3	2019-10-31	2019/1831/EU
Further inform	ation	Indicative			
copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
xylene	1330-20-7	TWA	50 ppm 221 mg/m3	2000-06-16	2000/39/EC
Further inform	ation	Identifies the possibility of significant uptake throu skinIndicative		nt uptake throug	h the
xylene	1330-20-7	STEL	100 ppm 442 mg/m3	2000-06-16	2000/39/EC
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Further informa	ation	Identifies the possibility of significant uptake through the skinIndicative		n the	
xylene	1330-20-7	AGW	50 ppm 220 mg/m3	2020-10-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	Skin absorption			
Solvent naphtha (petroleum), light arom.	64742-95- 6	AGW	100 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. of the TRGS 900		e also No. 2.9	
zinc	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900
	Peak-limit: excursion factor (category)				
Further informa	ation	When there is compliance with the OEL and biological tole values, there is no risk of harming the unborn child		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	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			cal tolerance

8.2 Exposure controls

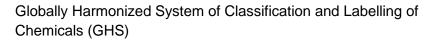
Personal protective equipment

Eye protection

: Safety glasses

: Wear face-shield and protective suit for abnormal processing

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		problems.	
Hand protection			
Material	:	Solvent-resistant gloves (butyl-i	rubber)
Remarks	:	Take note of the information giv permeability and break through workplace conditions (mechanic	times, and of special
		The exact break through time car protective glove producer and the	
		Please observe the instructions breakthrough time which are pro- gloves. Also take into considera conditions under which the pro- danger of cuts, abrasion, and the	ovided by the supplier of the ation the specific local duct is used, such as the
		Recommended preventive skin	protection
		Skin should be washed after co	ntact.
		The suitability for a specific wor with the producers of the protect	
	:	The suitability for a specific wor with the producers of the protect	
Skin and body protection	:	Choose body protection accord concentration of the dangerous	
Respiratory protection	:	Use suitable breathing protection requires.	on if workplace concentration
		Equipment should conform to E	N 14387
	:	In the case of vapour formation approved filter.	use a respirator with an
Environmental exposure of General advice	contro : :	ols The product should not be allow courses or the soil. Prevent product from entering of Prevent further leakage or spilla	drains.
		If the product contaminates rive respective authorities.	-
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: gold
Odour	: characteristic
рН	: substance/mixture is non-soluble (in water)
Freezing point	: No data available
Boiling point/boiling range	: 124 °C
Flash point	: 27 °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	: ca. 1,00 g/cm3
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

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Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: > 21 mm2/s (40 °C)
Flow time	: ca. 40 - 60 s at 23 °C Cross section: 3 mm Method: ISO 2431

9.2 Other information

No data available

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.

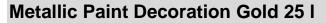
10.3 Possibility of hazardous reactions

Hazardous reactions	: Stable under recommended storage conditions.
	No decomposition if stored and applied as directed.
	Vapours may form explosive mixture with air.
10.4 Conditions to avoid	
Conditions to avoid	: Do not allow evaporation to dryness. Heat, flames and sparks.
10.5 Incompatible materials	, I

Materials to avoid	: No data available	
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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

Acute toxicity

Components:

copper :

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

xylene :

•	Acute inhalation toxicity	:	The component/mixture is moderately toxic after short term
			inhalation.

Solvent naphtha (petroleum), light arom. :

- Acute oral toxicity : LD50 Rat: 3 492 mg/kg
 - Acute dermal toxicity : LD50 Rabbit: > 3 160 mg/kg

Skin corrosion/irritation

Product

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May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Product

Eye irritation

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

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Further information

Product

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Components:	
copper (7440-50-8) :	
M-Factor	: 10
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.
Solvent naphtha (petroleum)	, light arom. (64742-95-6) :
Ecotoxicology Assessment	
Long-term (chronic) aquatic hazard zinc (7440-66-6) :	: 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.
12.2 Persistence and degradability	з у

No data available



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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

Product Contaminated packaging	 The product should not be allow courses or the soil. Do not contaminate ponds, wate chemical or used container. Send to a licensed waste mana In accordance with local and na Empty remaining contents. Dispose of as unused product. Do not re-use empty containers Do not burn, or use a cutting tor 	erways or ditches with gement company. tional regulations.
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In accordance with local and national regulations.

SECTION 14: Transport information		
14.1 UN number		
ADR	: 1263	
TDG	: 1263	
CFR	: 1263	
IMDG	: 1263	
ΙΑΤΑ	: 1263	
14.2 Proper shipping name		
ADR	: PAINT	
	(,Copper metal powder)	
TDG	: PAINT	
CFR	: PAINT	
IMDG	: PAINT	
	(,Copper metal powder)	
ΙΑΤΑ	: PAINT	
14.3 Transport hazard class		
ADR	: 3	
TDG	: 3	
CFR	: 3	
IMDG	: 3	
ΙΑΤΑ	: 3	
14.4 Packing group		
ADR		
Packaging group	: 111	
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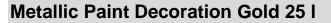
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Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3
Tunnel restriction code	: (D/E)
TDG	
Packaging group	: 111
Labels	: 3
CFR	
Packaging group	: 111
Labels	: 3
IMDG	
Packaging group	: 111
Labels	: 3
ΙΑΤΑ	
Packing instruction (cargo aircraft)	: 366
Packing instruction (passenger aircraft)	: 355
Packing instruction (LQ)	: Y344
Packaging group	: 111
Labels	: 3
14.5 Environmental hazards	
IMDG	: Marine pollutant
ADR	: Environmentally hazardous

14.6 Special precautions for user

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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

· · · · · · · · · · · · · · · · · · ·	
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 (n-butyl acetate) (xylene) (Solvent naphtha (petroleum), light

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full tex	t of	H-Statements
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H226

: Flammable liquid and vapour.

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H302	: Harmful if swallowed.		
H303	: May be harmful if swallowed.		
H304	: May be fatal if swallowed and enters airways.		
H313	: May be harmful in contact with skin.		
H315	: Causes skin irritation.		
H316	: Causes mild skin irritation.	: Causes mild skin irritation.	
H319	: Causes serious eye irritation.		
H332	: Harmful if inhaled.		
H335	: May cause respiratory irritation.		
H336	: May cause drowsiness or dizziness.		
H373	· · · · · · · · · · · · · · · · · · ·	: May cause damage to organs through prolonged or repeated	
H400	: Very toxic to aquatic life.		
H410	: Very toxic to aquatic life with long lasti	na effects.	
H411		: 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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