Safety Data Sheet according to Regulation (EC) No. 878/2020

*Date of Compilation/Revision: 21.11.2017./14.12.2023.

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

1.1. Product identifier Metallic Wax Paste/Gold
Type of substance: CLP Mixture
Subtypes: Gold, Brass, Copper
1.2. Relevant identified uses of the substance or mixture and uses advised against
Metallic Wax Paste for hobby of adults.
1.3. Details of the supplier of the safety data sheet
Pentacolor Kft.
1103 Budapest, Gyömrõi út 86.
tel.: +36-1-260-7477
fax: +36-1-262-1345
e-mail: info@pentacolor.hu
For product safety information please contact: info@pentacolor.hu
1.4. Emergency telephone number
https://echa.europa.eu/documents/10162/23019181/emergency_phone_numbers_en.pdf/d911af43-4bcf-9371-a59d-a20736d91e7d

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4: H302 Harmful if swallowed
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
Flam. Liq. 3; H226 Flammable liquid and vapour
Skin Irrit. 2; H315 Causes skin irritation.
Skin Sens. 1; H317 May cause an allergic skin reaction.
Aquatic Acute 1 H400 Very toxic to aquatic life
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008
Metallic Wax Paste/Gold
Hazardous components which must be listed on the label:
Naphtha (petroleum), hydrotreated heavy
d-limonene
copper powder
zinc powder (stabilized)
Additional labelling:
EUH208 Contains linalool. May produce an allergic reaction.

Hazard pictograms

Signal Word: Danger

Hazard Statements

H226 Flammable liquid and vapour
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking

Precautionary Statements

P102 Keep out of reach of children
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331 Do NOT induce vomiting.

2.3. Other hazards

Not known
The ingredients are not PBR or vPvB substances.

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

3.2. Mixtures

The details below includes all impurities and by-products that contribute to the product classification or that have an occupational exposure limits.

Hazardous Substance(s): Naphtha (petroleum), hydrotreated heavy (< 0,1 % benzol CAS nr. 71-43-2)
concentration: 25,1-35 %
EC-No.: 265-150-3
CAS-No.: 64742-48-9
Index-No. : 649-327-00-6
Classification according to Regulation (EC) No 1272/2008 : EUH066, Asp. Tox. 1 H304,
Registration number : 01-2119457273-39-XXXX

Hazardous Substance(s): Copper powder
concentration: 25-35 %
EC-No.: 231-159-6
CAS-No.: 7440-50-8
Classification according to Regulation (EC) No 1272/2008 : Aquatic Acute 1* H400 (M=10), Aquatic Chronic 1* H410 (M=1), Acute Tox. 4* H302, Eye Irrit. 2* H319
Registration number : 01-2119480154-42

Hazardous Substance(s): Zinc powder (stabilized), < 35 micrometer
concentration: 10-15 %
EC-No.: 231-175-3
CAS-No.: 7440-66-6
Index-No.: 030-001-01-9
Classification according to Regulation (EC) No 1272/2008 : Flam. Sol. 1* H228, Aquatic Acute 1 H400, Aquatic Chronic 1 H410

Hazardous Substance(s): (R)-p-menta-1,8-dién; d-limonene
concentration: 10-19%
EC-No.: 227-813-5
CAS-No.: 5989-27-5
Index-No.: 601-096-00-2
Classification according to Regulation (EC) No 1272/2008: Flam. Liq. 3 H226, Skin Irrit. 2 H315, Skin Sens. 1B H317, Asp. Tox. 1 H304, Aquatic Acute 1 H400 (M=1), Aquatic Chronic 3 H412

Hazardous Substance(s): linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool
concentration: < 0,15%
EC-No.: 201-134-4
CAS-No.: 78-70-6
Index-No.: 603-235-00-2
Classification according to Regulation (EC) No 1272/2008: Skin Irrit. 2* H315, Skin Sens. 1B H317, Eye Irrit. 2* H319

*Harmonized classification supplementing with manufacturer's classification

Refer to Section 16 for full details of te hazard statements and Notas.

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

General advise:
Take off all contaminated clothing immediately.
Inhalation:
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration Seek medical treatment in case of troubles.
Eye contact:
Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.
Skin contact:
Remove contaminated clothing. Wash skin thoroughly with soap and water. When symptoms persist, seek medical attention.
Ingestion:
If accidentally swallowed obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Harmful if swallowed
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Repeated exposure may cause skin dryness or cracking

4.3. Indication of immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Waterspray, foam, CO2, powders
Not to be used : High power water jet.

5.2. Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, carbon hydrides.
Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid open flames. Provide good ventilation of working area. Avoid breathing dust / fume / gas / mist / vapors / spray.

6.2. Environmental precautions

Do not allow to enter drains or watercourses.

6.3. Methods and materials for containment and cleaning up
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, universal binders and place in container for disposal according to local regulations (see section 13). Provide adequate ventilation.
6.4. Reference to other sections
For personal protection see section 8.
For disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Provide adequate ventilation. Avoid contact with eyes, skin, clothing. Do not inhale vapours.
Precautions against fire and explosion:
Avoid open flames. Keep away from sources of ignition. - No smoking.
Take precautionary measures against static discharge.
7.2. Conditions for safe storage, including any incompatibilities
Store in well-filled containers, protected from light. Keep container dry.
Keep container tightly closed in a cool, well-ventilated place.
Keep only in the original container. Keep away from oxidizing agents.
7.3. Specific end uses
See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Components with workplace control parameters
d-limonene:
TRGS 9020 short-term: 112 mg/m3; 20 ppm (on skin can be absorbed through
TRGS 9020 long-lasting: 28 mg/m3; 5 ppm (on skin can be absorbed through

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)
d-limonene
DNEL: Workers, Long-term - systemic effects, Skin contact 8.89 mg/kg bw/day
DNEL: Workers, Short-term - local, Skin contact 185,8 microgr/cm2
DNEL: Workers, Long-term - systemic effects, Inhalation 31,1 mg/m3
DNEL: Consumers, Long-term - systemic effects, Skin contact 4,44 mg/kg bw/day
DNEL: Consumers, Short-term - local, Skin contact 92,9 microgr/cm2
DNEL: Consumers, Long-term - systemic effects, Inhalation 7,78 mg/m3
DNEL: Consumers, Long-term - systemic effects, Oral 4,44 mg/kg bw/day

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)
Copper powder
DNEL: Consumers, Short-term - systemic effects, Skin contact 273 mg/kg bw/day
DNEL: Workers, Short-term - systemic effects, Inhalation 20 mg/m3
DNEL: Consumers, Short-term - systemic effects, Inhalation 20 mg/kg

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)
Zink powder (stabilized)
DNEL: Workers, Long-term - systemic effects, Skin contact 83 mg/kg bw/day
DNEL: Workers, Long-term - systemic effects, Inhalation 5 mg/m3
DNEL: Consumers, Long-term - systemic effects, Skin contact 83 mg/kg bw/day
DNEL: Consumers, Short-term - systemic effects, Inhalation 2,5 mg/kg
DNEL: Consumers, Long-term - systemic effects, Oral 0,83 mg/kg bw/day

Predicted No Effect Concentration (PNEC)
d-limonene
Fresh water: 5,4 microg/l
Marine water: 0,54 microg/l
Intermediate release: 5,77 microg/l
Sewage treatment plant (STP): 2,1 mg/l
Sediment (Fresh water) Related to, dry weight: 1,3 mg/kg
Sediment (Marine water) Related to, dry weight: 0,13 mg/kg
Soil Related to, dry weight: 0,261 mg/kg
Soil Related to, dry weight: 0,261 mg/kg

Predicted No Effect Concentration (PNEC)
Copper powder
Fresh water: 78 microgr/l
Marine water: 52 microgr/l
Sewage treatment plant (STP): 230 microgr/l
Sediment (Fresh water) Related to, dry weight: 87 mg/kg
Sediment (Marine water) Related to, dry weight: 676 mg/kg
Soil Related to, dry weight: 65,5 mg/kg

Predicted No Effect Concentration (PNEC)
Zink powder (stabilized)
Fresh water: 20,6 microgr/l
Marine water: 61 microgr/l
Sewage treatment plant (STP): 52 microgr/l
Sediment (Fresh water) Related to, dry weight: 117,8 mg/kg
Sediment (Marine water) Related to, dry weight: 56,5 mg/kg
Soil Related to, dry weight: 35,6 mg/kg

8.2. Exposure controls
Appropriate engineering controls
Provide adequate ventilation. Do not inhale vapors.
General protective and hygienic measures:
Wash hands before breaks and after work.
Keep away from foodstuffs, beverages and feed.
Personal protective equipment
Eye/face protection
Tightly sealed safety glasses according to EN 166.
Skin protection
Protective gloves according to EN 374.
Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure.
Material of gloves nitrile rubber, breakthrough time > 480 minute, thickness:: 0,11 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. If gloves show signs of aging, it should be replaced immediately.
Body Protection
Protective clothing according to EN ISO 20345.
Respiratory protection
Provide good ventilation of working area. Wear respiratory protection if the permissible limit values are exceeded. Let's use it according to EN 14387 filter insert against organic vapors, type "A" (ident color: brown).
Environmental exposure controls
Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
(a) Physical state paste
(b) Colour depends on pigments
(c) Odour mild, fruity
(d) Melting point/freezing point not determined
(e) Boiling point or initial boiling point and boiling range > 180 C (Naphtha (petroleum), hydrotreated heavy)
(f) Flammability flammable
(g) Lower and upper explosion limit not determined
(h) Flash point not determined, 53.4 C (orange terpene), > 61 C (Naphtha (petroleum), hydrotreated heavy)
(i) Auto-ignition temperature not determined
(j) Decomposition temperature not determined
(k) pH not determined
(l) Kinematic viscosity not determined
(m) Solubility insoluble in water
(n) Partition coefficient n-octanol/water (log value) not determined
(o) Vapour pressure not determined
(p) Density and/or relative density not determined
(q) Relative vapour density not determined
(r) Particle characteristics not applicable (paste)
9.2. Other information
No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reactions can be expected under normal handling and storage
10.2. Chemical stability
Stable under recommended storage and handling conditions (see section 7).
10.3. Possibility of hazardous reactions
No dangerous reaction in normal use.
10.4. Conditions to avoid
Heat, sparks, ignition sources
10.5. Incompatible materials
Strong acids, alkalis, oxidizing agents.
10.6. Hazardous decomposition products
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, carbon hydrides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
(a) Acute toxicity: Product: Harmful if swallowed
(b) Skin corrosion/irritation
Causes skin irritation
(c) Serious eye damage/eye irritation
Based on available data, the classification criteria are not met
(d) Respiratory or skin sensitization
May cause an allergic skin reaction
(e) Germ cell mutagenicity
Based on available data, the classification criteria are not met
(f) Carcinogenicity
Based on available data, the classification criteria are not met
(g) Reproductive toxicity
Based on available data, the classification criteria are not met
(h) Specific target organ toxicity - single exposure
Based on available data, the classification criteria are not met
(i)Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met
(j) Aspiration hazard
May be fatal if swallowed and enters airways
Other informations:
Components
64742-48-9 Naphtha (petroleum), hydrotreated heavy:
Acute toxicity: LD50 (oral, rat): > 5000 mg/kg
LD50 (dermal, rabbit): > 3000 mg/kg
8028-48-6 d-limonene::
LD50 (oral, rat): > 5000 mg/kg.
LD50 (dermal, rabbit): > 5000 mg/kg.
7440-66-6 Zink powder (stabilized)
LD50 (oral, rat):>2000 mg/kg
7440-50-8 Copper powder
LD50 (oral, rat): > 300 mg/kg.
11.2. Information on other hazards
No further information available.

SECTION 12: Ecological information

12.1. Toxicity
There are no data available on the preparation itself..
Based on available data and CLP classification Aquatic Acute 1 H400 Very toxic to aquatic life , Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
Components:
d-limonene
LC50 (Pimephales promelas, 96 h): 0,7 mg/l (OECD 203)
EC50 (daphnia magna, 48 h): 0,67 mg/l (OECD 202)
ErC50 (Desmodesmus Subspicatus, 72 h): 150 mg/l (OECD 201).
Copper powder
LC 50/96h: 0.01-0.91 mg/l (algae)
LC 50/96h: 0.0087-21 mg/l (fish)
12.2. Persistence and degradability
Components:
Naphtha (petroleum), hydrotreated heavy:
The product is difficultly biodegradable
d-limonene:
Readily biodegradable, 72-83,4 % (28 days, OECD 301 B).
12.3. Bioaccumulative potential
Components:
d-limonene:
log BKF: 1,502-2,597.
Bioconcentration factor, BCF: 32-156.
12.4. Mobility in soil
No further relevant information available.
12.5. Results of PBT and vPvB assessment
The ingredients are not PBR or vPvB substances.
12.6. Endocrine disrupting properties
No information is available on endocrine disruptors.
12.7. Other adverse effects
Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Do not allow into drains or water courses.
Wastes and emptied containers should be disposed of in accordance with local regulations.

SECTION 14: Transport information

14.1. UN number or ID number 1263
14.2. UN proper shipping name PAINT
Informations in the transport document: UN 1263 PAINT, 3, III, (D/E), „ENVIRONMENTALLY HAZARDOUS"
14.3. Transport hazard class(es) 3
Classification code: F1
14.4. Packing group III
14.5. Environmental hazards Yes. Category Acute 1, Category Chronic 1
14.6. Special precautions for user Flammable liquid
14.7. Maritime transport in bulk according to IMO instruments Not applicable

SECTION 15: Regulatory information
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
According to the local regulation.
The components of this product are included in the following notification lists; are exempted, or otherwise meet requirements: EINECS/ELINCS/NLP (EU), DSL/NDSL (Kanada), KECI (Dél-Korea), TSCA (USA).
The ingredients of this product are not included on California's 65 list
15.2. Chemical safety assessment
Chemical safety assessment has not been carried out.

SECTION 16: Other information

LIST OF RELEVANT H-PHRASES IN SECTION 3

H-Phrases

H226 Flammable liquid and vapour
H228 Flammable solid.
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye damage
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.
EUH066 Repeated exposure may cause skin dryness or cracking

*Changes from the previous version

The classification was carried out according to the following method: 1272/2008/EU Regulation:

Classification and justification
Flam. Liq. 3: H226 estimated value
Acute Tox. 4: H302 calculation method
Asp. Tox. 1: H304 calculation method
Skin Irrit. 2: H315 calculation method.
Skin Sens. 1: H317 calculation method
Aquatic Acute 1: H400 calculation method
Aquatic Chronic 1: H410 calculation method

Data Sources:
The previously-classified hazardous materials list
Internet database of chemical substances
Safety data sheets of components

Abbreviations:

Asp. Tox. Aspiration Toxicity, Category
Flam. liq. Flammable Liquid
Skin Irrit. Skin Irritation
Eye Irrit. Eye Irritation
Skin Sens. Skin sensitization
Aquatic Acute
Aquatic Chronic

SCL: Specific Concentration limit
EK / EU European community/European union
EGK European Economic Community
DNEL Derived No Effect Level
PNEC Predicted No Effect Concentration
CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures /
CAS Chemical Abstracts Service
UN / ENSZ United Nations
ADN Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route
RID Réglement international concernant le transport des marchandises dangereuses par chemin de fer
IMDG International Maritime Code for Gangerous Goods
IMO International Maritime Organization
IBC Intermediate Bulk Container
IATA International Air Transport Association
ICAO International Civil Aviation Organization
PBT Persistent, Bioaccumulative, Toxic
vPvB very Persistent, very Bioaccumulative
ATE Acute Toxicity Estimate / body weight in kilograms
EC_{50} Effective concentration 50 %
LC_{50} Lethal Concentration 50 %
NOEC No Observed-effect concentration
LLNA Local Lymph Node Assay
BCF / BKF Bioconcentration factor
DOC Dissolved Organic Carbon

This product Safety Data Sheet provides health, safety, and regulatory information. The information contained in this Safety Data Sheet is based on data available to us at the date of issue , and is provided in good faith, and believed to be accurate and reliable at the date of issue, however, no warranty, express or implied is provided. The product is to be used in applications consistent. For any other uses, exposures should be evaluated so that the appropriate handling practices and training programs can be established to ensure safe working conditions and operations. It is the buyer's/user's responsibility to satisfy itself that the product is suitable for the intended use, and to ensure that its activities comply with all federal, state, provincial, or local laws and regulations. Regulatory requirements are subject to change and may differ between European Member States and Nations.Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.