SAFETY DATA SHEET

Compilation date: 25/09/2023

Revision date: 25/09/2023

Revision No: 2

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

1.1 Product identifier

Product name: Patina (cera patina) several shades

1.2 Relevant identified uses of the substance or mixture and uses advised against

Decoration-craft-painting.

1.3 Details of the supplier of the safety data sheet

Company name: WoodUbend Ltd.
Unit V, Scotch Park Trading Estate
Forge Ln
Leeds, LS12 2PR

Tel: +44 (0) 113 289 1222
Fax: n/a

Email: info@woodubend.com

1.4 Emergency telephone number

European Emergency Tel.: 112

Section 2: Hazards identification

This Safety Data Sheet is prepared voluntarily: it is not required according to Article 31 of Regulation (EC) No. 1907/2006.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Aquatic Acute 1

Aquatic Chronic 1

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Very toxic to aquatic organisms.

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Resp. Sens. 1 - H334 STOT SE 3 - H335 STOT RE 2 - H373

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Pictogram:


GHS08


GHS09


GHS07

Signal word: Danger

Hazard statements:

H410 - Very toxic to aquatic life with long lasting effects
H315 - Possible Causes skin irritation.
H319 - Causes eye irritation.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 - May cause respiratory irritation.

Precautionary statements:

P260 Do not breathe vapor/spray.
P261 Avoid breathing vapor/spray.
P264 Wash contaminated skin thoroughly after handling.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a poison center/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
PRECAUTIONS: Avoid ingestion. Wash hands immediately after use. When using do not eat, drink or smoke. KEEP OUT OF REACH OF CHILDREN.
FIRST AID TREATMENT: If inhalation symptoms occur, move to fresh air. If symptoms persist, see a physician. If swallowed, get prompt medical attention. For further information, contact a national poison control number.

2.3 Other hazards

The substances in the mixture do not meet the criteria for ABT or aAaB substances

Classification System is according to latest editions of EU lists and is extended by company and literature data.

Section 3: Composition/information on ingredients

EINECS No	CAS No	INDEX No	CHEMICAL NAME	CONCETR. (%W/W)	HAZARD CLASS	HAZARD STATEMEND
231-159-6	7440-50-8	NA.	Copper	0-20%	Aquatic acute 1	H400
231-175-3	7440-66-6	030-001-01-9	Zinc	0-10%	Aquatic acute 1 Aquatic chronic 1	H400-H410
265-199-0	64742-95-6	649-356-00-4	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	0-2%	Flam. Liq. 3, Asp. Tox. 1 Aquatic Chronic 2 STOT SE 3	H226 H304 H411 H335 – H336
NA	8001-26-1	NA	Linseed oil	15-22%	NA.	NA
NA	64742-51-4	NA	Paraffin wax	15-22%	NA	NA

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice: First aid followed by medical attention.

Inhalation: Move exposed person to fresh air. Keep warm and at rest. Seek medical attention as soon as possible.

Skin contact: Wash with mild soap and water. Generally, the product does not irritate the skin. Seek medical advice if irritation occurs/persists.

Seek medical advice if irritation occurs/persists.

After eye contact: Rinse opened eye for several minutes under running water. Seek medical attention if irritation persists.

After ingestion: Wash mouth out with water, seek medical attention if symptoms occur.

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

Exposure by inhalation (large quantities) will produce symptoms called metal fume fever, influenza type symptoms which last 24-48 hours.

Copper may cause irritation to upper respiratory tract, metallic taste, discoloration of skin and hair. Ingestion or Inhalation of large quantities may cause nausea or vomiting.

Dust irritates nose and trachea, in certain individuals skin contact for long periods may cause irritation and possible dermatitis.

Copper may cause gastro enteric problems.

SECTION 5: Firefighting Measures

5.1 Suitable extinguishing agents:

Dry sand, dry powder extinguisher, fire blanket.

Extinguishing Media not suitable for safety reasons:
Liquid based extinguishers must not be used on molten metal.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measures

6.1 Personal precautions:

Wear protective equipment.

Keep unprotected persons away.

Avoid formation of dust.

6.2 Environmental precautions:

Do not allow product to reach ground water, water bodies or sewerage system

6.3 Methods for cleaning up:

Pickup manually.

6.4 Reference to other sections:

See also sections 8 and 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Avoid contact with eyes.

Avoid repeated prolonged contact with skin.

Avoid formation of dust and aerosols.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s): None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure Limit Values:

TLV - TWA (ACGIH, 2009) Cu 0.2 mg/m3 (fumes); Zn 5 mg/m3 (fumes)
TLV - TWA (ACGIH, 2009) Cu 1 mg/m3 (dusts and mists); Zn 10 mg/m3 (dust)

EXPOSURE	ROUTE	DESCRIPTOR	DNEL PATTERN
Human - Long-term - Cu/kg body systemic effects	Oral, dermal and inhalation	Internal dose DNEL (Derived No Effect Level)	0.041mg weight/day
Human - Short-term Cu/kg body systemic effects	Oral, dermal and inhalation	Internal dose DNEL	0.082mg weight/day
Human- Short-term effects for drinking water	Oral	A NOAEL for drinking water	4 mg/l

DNEL (INHALATION OF INSOLUBLE Zn) = 5 mg/m
National exposure control limits must be considered where appropriate.

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

Personal Protective equipment:

Ventilation:
Preferably Local exhaust ventilation (LEV) must be sufficient to keep concentration below occupational exposure limit.

Respiratory protection:
Particulate cartridge filter type when LEV cannot be supplied.

Hand Protection:
Gloves: consult manufacturer for suitable specification.
A suitable barrier cream is recommended.

Eye Protection:
Tight safety goggles.

Body Protection:
Protective work clothing.

General Safety and Hygiene measures:
Do not eat or drink while working with the product.
Wash hands before breaks and at the end of work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance:	Colored wax (several shades).
b) Odor:	Low odor.
c) Odor threshold:	No data available.
d) pH	No data available.
e) Melting point	52 – 54 Celsius.
f) Initial boiling point and boiling range	> 310 Celsius.
g) Flash point:	> 253 Celsius.
h) Evaporation rate:	No data available.
i) Flammability:	Product is not self-igniting.
j) Upper/lower flammability or explosive limits:	No data available.
k) Vapor pressure:	No data available.
l) Vapor density:	No data available.
m) Relative density:	No data available.
n) Specific weight:	No data available.
o) Water solubility:	Insoluble.
p) Partition coefficient: n octanol/water	No data available.
q) Autoignition temperature:	No auto-ignition.
q) Decomposition temperature:	No data available.
r) Viscosity:	No data available.
u) Oxidizing properties:	No data available.

9.2 Other safety characteristics

No available data.

SECTION 10: Stability and reactivity

10.1 Reactivity	No decomposition in usual conditions.
10.2 Chemical stability	Stable under normal conditions of use.
10.3 Possibility of hazardous reactions	No dangerous reactions are known, refer to storage conditions point 7.
10.4 Conditions to avoid	Avoid direct sunlight.
10.5 Incompatible materials	Strong acids.
10.6 Hazardous decomposition products	No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: LD/LC50.

CAS: 64742-95-6 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
Oral LD50 >6.800 mg/kg (rat)
Dermal LD50 >3.400 mg/kg (rab)

Acute toxicity: Copper Zinc

Oral
LD-50 rats >2000mg/kg body weight Not classified
LD-50 rats >2000mg/kg body weight Not classified

Dermal Not classified Not classified

Inhalation Fractions with d50 > 10 µm Not classified Not classified

Fractions with <10 µm

LD-50 rats 1-5 g/m3 air

Skin corrosion/irritation: May irritate skin.

Serious eye damage/irritation: May irritate eyes.

Respiratory or skin sensitization: Individuals who may have had allergic reactions to metals or sensitivity, may encounter skin rash or dermatitis, if skin contact with this product occurs. Persons with impaired pulmonary functions, may incur further impairment if dust or fumes are inhaled.

Germ cell mutagenicity: No available date.

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No available date.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity - repeated exposure: Not classified.

Aspiration hazard: Not classified.

SECTION 12: Ecological information

12.1 Toxicity

12.1.1 Acute aquatic toxicity:

Cu: Toxicity for pH = 5.5-6.5 L(E)C50 of 25.0 µg Cu/L (Van Sprang et al., 2010, in Copper Chemical Safety Report (CSR), 2010). M-factor: 1
Zn: Toxicity for pH < 7: EC50 = 0.9 mg Zn/l 48h (Dubia Ceriodaphnia)
Toxicity for pH > 7 - 8.5: EC50 = 0.3 mg Zn/l 72h (Selenastrum capricornutum). M-factor: 1

12.1.2 Chronic freshwater toxicity:

Cu: Not classified
(Predicted No-Effect Concentration (PNEC): 7,8 µg/l is the value of dissolved Cu/l to be used to assess local risks)
Zn: PNEC: 20.6 µg Zn/l

12.1.3 Chronic marine waters toxicity:

Cu: Not classified (PNEC: 5.2 µg/l is the value of dissolved Cu/l to be used to assess local risks)
Zn: PNEC: 6.1µg Zn/l

12.1.4 Chronic freshwater sediment toxicity:

Cu: Freshwater sediment PNEC is: 87 mg Cu/kg dry sediment weight
Zn: Freshwater sediment PNEC is: 235.6 mg Zn/kg dry sediment weight.

12.1.5 Chronic marine water sediment toxicity:

Zn: Freshwater sediment PNEC is: 113 mg Zn/kg dry sediment weight.

12.1.6 Soil toxicity:

Cu: Soil PNEC: 65.5 mg Cu/kg dry weight of soil
Zn: Soil PNEC: 106.8 mg/kg dry weight of soil

12.1.7 Toxicity to micro-organisms in STP:

PNEC in Sewage Treatment Plant: 52 µg Zn/

12.2 Persistence and degradability

Not classified.

12.3 Bio-accumulative potential

Not classified.

12.4 Mobility in soil

Cu: Copper-ions bind strongly to the soil matrix. The binding depends on the soil properties.
A median water-soil partitioning coefficient (Kp) of 2120 L/kg has been derived.

Zn: A median water-soil partitioning coefficient (Kp) of 158 L/kg has been derived.

12.5 Results of PBT and vPvB assessment

The mixture does not contain PBT or vPvB substances.

12.6 Other adverse effects

Copper, and Zinc are not expected to contribute to ozone depletion, ozone formation, global warming or Acidification.

SECTION 13: Disposal considerations

Product:	Remove in accordance with local official regulations. Dispose of at a hazardous waste landfill. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
Used packaging material:	Used packaging material: Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

SECTION 14: Transport information

Not restricted for transport.

SECTION 15: Regulatory information

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

The mixture is NOT subject to:

- Regulation (EC) n. Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer.
- Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants.

15.2 Chemical safety assessment:

Has been carried out for both copper and zinc.

SECTION 16: Other information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Issue Date: 25.09.2023
Revision Number:2

Laws and References

- Directive 67/548/EEC and following updates and amends. (Directive on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances)

  Directive 2004/74/EC
  - Regulation EC n. 1907/2006 (REACH)
  - Regulation EC n. 2172/2008 (CLP)
  - Regulation EC n. 790/2009
  - Regulation EC n. 453/2010
  - ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road) –
  - IMDG Code (International Maritime Dangerous Goods Code).
  - IATA (International Air Transport Association).
  - SAX'S, (Dangerous Properties of Industrial Materials)
  - ACGIH (2009) American Conference of Governmental Industrial Hygienists
  - Copper Chemical Safety Report (CSR) 2010
  - Zinc Chemical Safety Report (CSR) 2010

- Disclaimer: This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date compiled. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.