SAFETY DATA SHEET (SDS)

Update date: 01/10/2022
I - Identification of the substance/mixture and identification of the company/undertaking

1.1. Product ID
Product Name: **FYI copperclay**
1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Intermediate for artists
Uses advised against: no data available
1.3. Details of the supplier of the safety data sheet
Enterprise: **ecometalclay**
Kudowe 217a, 34-452 Ochotnica Dolna
ecometalclat@ecometalclay.com
1.4. Emergency telephone number
Emergency telephone numbers: fire brigade 998 (112 from a mobile phone)
toxicological information (42) 631-47-24

II - Identification of threats

2.1.Classification of the substance or mixture
It is not classified as a hazardous substance.
2.2. Marking elements
Hazard pictograms:
Signal word: not applicable
Hazard statements: ---
Precautionary statements: ---
2.3. Other threats
The substance meets the criteria for classification as PBT / vPvB : not applicable
Other hazards which do not result in classification: no data available

III - Composition / information on ingredients

3.1. Substances
COPPER METAL POWDER 90-99%
EC number: 231-159-6
CAS number: 7440-50-8
Chemical Formula: Cu
Molar mass: 63.55 g/mol
REACH number: none

BINDER 1-10%
EC number: -
CAS number: -
Chemical formula: -
Molar mass: -
REACH number: none

IV - First aid measures

4.1. Description of first aid measures
Eye contact:
Seek medical advice if irritation occurs.
By inhalation:
Contact a doctor if you feel unwell.
Through the digestive tract:
Contact a doctor if you feel unwell.
Skin contact: If any irritation or other discomfort occurs, seek dermatological advice.
Protection of first aiders:
No action shall be taken involving any personal risk unless you are properly trained.
4.2. Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects of exposure are described in Section 2.2. and/or in Section 11. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. Show the safety data sheet, label or packaging to the medical personnel providing assistance.

V - Procedure in case of fire

5.1. Extinguishing media Suitable extinguishing media:
Extinguishing media should be adapted to the environment. Unsuitable extinguishing media: unknown
5.2. Special hazards arising from the substance or mixture
No specific fire or explosion hazard.
5.3. Information for the fire brigade
Do not stay in the danger zone without breathing apparatus. Avoid contact with the skin of the hazardous agent, keep a safe distance and wear protective clothing. Prevent extinguishing water from entering surface or groundwater.

VI - Proceedings in case of unintentional release to the environment

6.1. Personal precautions, protective equipment and emergency procedures
Avoid contact with spilled, spilled or released material. In the event of exposure, a description of first aid measures is provided in Section 4. Guidance on the selection of personal protective equipment is provided in Section 8.

6.2. Environmental precautions
Do not allow the product to enter sewage and water; secure grates and drains; avoid direct contact with the released substance; remove sources of ignition; spilled substance, collect into a closed container, and clean the contaminated surface.
6.3. Methods and materials for containment and cleaning up
Collect the spilled product after mixing it with sand or soil into a closed container and pass it on for disposal.
6.4. Reference to other sections
See Section 4 for information on first aid measures. See Section 8 for information on appropriate personal protective equipment. See Section 13 for information on additional waste treatment.

VII - Handling and storage of substances and mixtures

7.1. Precautions for safe handling
Ensure effective air exchange (ventilation). Proceed in accordance with the principles of good industrial practice and the general principles of health and safety at work with chemical substances. When using do not eat, drink, avoid contact with the substance; avoid inhalation of vapours/fumes/spilled liquid, observe personal hygiene rules; use personal protective equipment (as stated in point 8); work in well-ventilated rooms. Keep away from combustible materials, do not smoke.
7.2. Conditions for safe storage and information on any incompatibilities
Store in properly labeled, tightly closed containers in a cool, dry, well-ventilated room
7.3. Specific end use(s).
Recommendations: no data available Industry specific solutions: no data available

VIII - Exposure controls/personal protection

8.1. Control parameters

Product/ingredient name	TWA 8hrs. [mg/m3]	STEL [mg/ m3]
as copper and its compounds calculated as Cu - oxide fumes and soluble salts	0.2	-

- Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the highest permissible concentrations and intensities of factors harmful to health in the work environment, as amended.
-Regulation of the Minister of Health of February 2, 2011 on tests and measurements of factors harmful to health in the working environment (Journal of Laws 2011, No. 33, item 166).
-Recommended procedures for monitoring the content of hazardous components in the air - measurement methodology:
- Regulation of the Minister of Health of 2 February 2011 on testing and measurement of factors harmful to health in the working environment (Journal of Laws 2011, No. 33, item 166).
- PN-89/Z-01001/06. Air purity protection. Names, definitions and units. Terminology for air quality testing at workstations.
- PN Z-04008-7:2002. Air purity protection. Sampling. Principles of air sampling at the workplace and interpretation of results.
- PN-EN-689:2002. Air at workplaces - guidelines for assessing inhalation exposure to chemical agents by comparison with limit values and measurement strategy.
ATTENTION! When the concentration of the substance is determined and known, the selection of personal protective equipment should be made taking into account the concentration of the substance at the given workplace, exposure time and activities performed by the employee. In an emergency, if the concentration of the substance at the workplace is unknown, use personal protective equipment with the highest recommended protection class.
8.2. Exposure control
a) Appropriate engineering controls Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other safeguards.
b) Individual protection measures Protective clothing should be selected appropriately for the workplace. Use protective glasses (goggles) or a face shield. Hand and body protection: Use protective gloves resistant to chemicals, made of nitrile rubber or other material recommended by the glove manufacturer for contact with the product; Breakthrough time and type of material are specified by the glove manufacturer. Wear protective clothing. Other protective equipment.

IX - Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	solid	Upper explosion limit	no data available
Color	orange-red	Vapor pressure	no data available
Odor	odorless	Vapor density relative to air	no data available
Odor threshold	no data available	Density	approx. 8.9 g/cm 3 (20 0 C)
pH	no data available	Solubility in water	Insoluble
Pour point	1083 0 C	Auto-ignition temperature	no data available
Boiling point	2595 ˚ C	Decomposition temperature	no data available
Evaporation rate	no data available	Flammability	no data available
Dynamic viscosity	no data available	Evaporation rate	no data available
Lower explosion limit	no data available	Explosive properties	000
Partition coefficient: n-octanol /water	no data available	Oxidising properties	000

9.2. Other informations
No data available

X - Stability and reactivity

10.1. Reactivity
See section 10.3.
10.2. Chemical stability
The product is chemically stable under recommended storage conditions.
10.3. Possibility of hazardous reactions
no data available
10.4 . Conditions to avoid no data available
10.5. Incompatible materials
no data available

10.6.Hazardous decomposition products
Under normal conditions of use and storage, hazardous decomposition of the product should not occur. In case of fire: see Section 5.

XI - Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	no data available
Reproductive toxicity	no data available
Aspiration hazard	no data available
Specific target organ toxicity single exposure	no data available
Specific target organ toxicity - repeated exposure	no data available

Information on possible routes of exposure

Eye contact	no data available
Skin contact	no data available
Inhalation	no data available
Ingestion	no data available

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	None known.
Skin contact	None known.
Inhalation	None known.
Ingestion	None known.

Potential chronic health effects
no data available
Other informations
no data available

XII - Ecological information

12.1. Toxicity
no data available
12.2. Persistence and degradability
no data available
12.3. Bioaccumulative potential
It does not show the ability to bioaccumulate .
12.4. Mobility in the soil
no data available
12.5. PBT and vPvB assessment results
No PBT / vPvB assessment has been carried out as no chemical safety assessment is required / performed.
12.6. Other harmful effects
no data available

XIII - Handling of waste

13.1. Waste disposal methods
The generation of waste should be avoided or minimized. Take non-recyclable products to a licensed waste disposal company. Disposal of this product, solutions or related products should always be in accordance with environmental protection requirements as well as with the requirements of local authorities. Packaging waste must be recycled. Avoid contact of the product with soil and watercourses.

XIV - Transport Information

Transport	**InformationADN / ADNRIMDG**		**IATA**	
14.1 UN number	not applicable	not applicable	not applicable	not applicable
14.2 UN shipping name	not applicable	not applicable	not applicable	not applicable
14.3 Transport hazard class(es)	not applicable	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable	not applicable
14.5 Environmental hazards	**no**	**no**	**no**	**no**
14.6 Special precautions for user	bdd(no data available)	bdd	bdd	bdd

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code no data available

XV - Regulatory information

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

- EU Commission Regulation No. 2015/830 amending Regulation (EC) No. 1907/2006 (REACH).
- Regulation of the Minister of Health of 16 September 2016 on occupational health and safety related to the presence of chemical agents in the workplace (i.e. Journal of Laws 2016, item 1488).
- Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment, as amended.
- Commission Regulation (EU) No. 260/2014 of 24 January 2014 amending, for the purpose of adapting to technical progress, Regulation (EC) No. 440/2008 laying down test methods in accordance with Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). (L81/1)

- Act of 19 August 2011 on the transport of dangerous goods (Journal of Laws 2018, item 169).
- Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws 2018, item 150).
- Act of 14 December 2012 on waste (i.e. Journal of Laws 2018, item 21).
- Regulation of the Minister of Health of 10 August 2012 on the criteria and method of classification of chemical substances and their mixtures (Journal of Laws of 2015, item 208).
- Regulation of the Minister of Health of 20 April 2012 on labeling packaging of dangerous substances and dangerous mixtures and certain mixtures (Journal of Laws of 2015, item 450).
- Act of February 25, 2011 on chemical substances and their mixtures (i.e. Journal of Laws 2018, item 143).
- Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the working environment (Journal of Laws 2011, No. 33, item 166).
- Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No. 1907/2006 as amended.

15.2. Chemical Safety Assessment A chemical safety assessment has not been carried out for this product.

XVI - Other information

16.1. Note to reader: The above information is believed to be correct but not exhaustive and should be included use only as a guide. ecometalclay is not liable for any damages caused by working or handling the above product without taking due care and personal protective equipment shown. This safety data sheet has been developed on the basis of online databases and applicable legislation on hazardous substances i chemical preparations.