

ALADINE SA  
ZA DE MONTEPY, 205 RUE DE MONTEPY,  
69210 FLEURIEUX SUR L'ARBRESLE, FRANCE

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## Material Safety Data Sheet

Compliant with  
Regulation (EU) 2020/878

Date of issue: 2023-05-31

### SECTION1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

Product name: Izink Metal

Product number: 19120/ 19121 / 19122 / 19123 / 19125 / 19126 / 19127 / 19129 / 19130 / 19131

synonyms: Pigment ink pad

Proper shipping name: none

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

Izink Metal

Uses advised against:

No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

Supplier name: ALADINE SA

Address: ZA DE MONTEPY, 205 RUE DE MONTEPY, 69210 FLEURIEUX SUR L'ARBRESLE, FRANCE.

Telephone: + 33 474 721 991    Telefax: + 33 474 721 989

#### 1.4 Emergency telephone number

Emergency information services / official advisory body: Ms. Lydie RAUSSIN

Telephone number of the company in case of emergencies:

Telephone: + 33 474 721 991

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 2020/878:

The mixture is not classified as dangerous in the terms of the Regulation (EU) 2020/878.

#### 2.2 Label elements

Labeling according to Regulation (EU) 2020/878

Not applicable

#### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EU) 2020/878 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EU) 2020/878 (< 0,1 %).

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

No applicable

### 3.2 Mixture

Izink Metal

|                        |                         | 19120 | 19121  | 19122 | 19123 | 19125  | 19126  | 19127 | 19129 | 19130 | 19131  |
|------------------------|-------------------------|-------|--------|-------|-------|--------|--------|-------|-------|-------|--------|
| <b>Ingredient Name</b> | <b>CAS or CI Number</b> | Gold  | Copper | F412B | F463  | SL4515 | SL4519 | F461  | F460  | F462  | SL4629 |
| Castor oil             | 8001-79-4               | 44.5  | 44.5   | 44    | 44    | 44.5   | 44     | 44.5  | 44    | 44    | 44     |
| Poly(propylene glycol) | 25322-69-4              | 35    | 35     | 35    | 35    | 35     | 35     | 35    | 35    | 35    | 35     |
| copper                 | 7440-50-8               | 20    | 20     |       |       |        |        |       |       |       |        |
| Mica                   | 12001-26-2              |       |        | 20    | 20    | 20     | 20     | 20    | 20    | 20    | 20     |
| Pigment Red 122        | 980-26-7                |       | 0.5    |       |       | 0.5    |        |       |       |       |        |
| YELLOW HG              | 77804-81-0              | 0.5   |        | 1     |       |        |        |       |       |       | 0.5    |
| Blue                   | 147-14-8                |       |        |       |       |        |        |       | 1     |       |        |
| Green                  | 1328-53-6               |       |        |       |       |        |        |       |       | 1     | 0.5    |
| Black                  | 1333-86-4               |       |        |       |       |        |        | 0.5   |       |       |        |
| Pigment Red 254        | 84632-65-5              |       |        |       | 1     |        |        |       |       |       |        |
| Purple                 | 6358-30-1               |       |        |       |       |        | 1      |       |       |       |        |
|                        |                         | 100   | 100    | 100   | 100   | 100    | 100    | 100   | 100   | 100   | 100    |

### 4.1 Description of first aid measures

**Inhalation:** Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop.

**Skin contact:** Wash affected area with soap and water. Get medical attention if irritation develops or persists.

**Eye contact:** In case of contract, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Ingestion:** Move victim to fresh air. If not breathing, give artificial respiration, get medical attention.

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

#### Inhaled:

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

#### Ingestion:

Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses

producing mortality rather than those producing morbidity (disease, ill-health).

#### **Skin contact:**

Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material still produce health damage following entry through wounds; lesions or abrasions.

#### **Eye:**

Although the material is not thought to irritant (as classified under EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

#### **Chronic:**

Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives using animal models). Nevertheless, exposure by all routes should be minimised as a matter of course.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Get medical attention and treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media:**

Foam

Dry chemical powder

BCF (where regulations permit).

Carbon dioxide

Water spray or fog-Large fire only

### **5.2 Special hazards arising from the product**

No data available

### **5.3 Advice for fire-fighters**

Alert fire Brigade and tell them location and nature of hazard.

Wear breathing apparatus plus protective gloves.

Prevent, by any means available, spillage from entering drains or water courses.

Use water delivered as a fine spray to control fire and cool adjacent area.

Do not approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location

Only when safe to do so, remove containers from path of fire.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

#### **6.1.1. For non-emergency personnel**

Wear chemical goggles and chemical resistant gloves.

#### **6.1.2. For emergency responders**

Wear breathing apparatus plus protective gloves. Remove ignition sources and provision of sufficient ventilation, evacuate the danger area and consult experts.

### **6.2 Environmental precautions:**

Take precautions to prevent entry into waterways, sewers, or surface drainage systems. Dispose according to local or international regulations.

### 6.3 Methods and material for containment and cleaning up

Use appropriate tools to put the splash liquid in suitable container for recovery or disposal.

### 6.4 Reference to other sections

Refer to section 8 for Protective Equipment advice.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities

7.2.1. Storage conditions: Keep from freezing, store in a cool, dry place. Keep containers tightly closed.

7.2.2. Storage incompatibility: Avoid reaction with strong acid, alkali and oxidizing agents.

### 7.3 Specific end uses:

Apart from the uses mentioned in section 1.2.1, no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No special control measure necessary under normal conditions of use.

### 8.2 Personal Protection

No special protection necessary under normal conditions of use.

### 8.3 Exposure Guidelines

None established

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                                      |                   |
|--------------------------------------|-------------------|
| Physical state:                      | No data available |
| Colour:                              | No data available |
| Odour:                               | No data available |
| PH:                                  | No data available |
| Melting point/freezing point (° C ): | No data available |
| Initial boiling point/boiling range: | No data available |
| Flash point (° C ):                  | No data available |
| Vapour pressure:                     | No data available |
| Vapour density (g/cm <sup>3</sup> ): | No data available |
| Water solubility:                    | No data available |
| Partition coefficient:               | No data available |
| Auto-ignition temperature (° C ):    | No data available |
| Flammability:                        | No data available |
| Upper/lower explosive limits:        | No data available |
| Explosive properties:                | No data available |
| Oxidising properties:                | No data available |
| Dissociation constants:              | No data available |

Surface tension:  
Viscosity(mm<sup>2</sup>/s)

No data available  
No data available

## 9.2 Other information:

No data available

## SECTION10: Stability and Reactivity

### 10.1 Reactivity

Product is feebly reactive. Product will not undergo dangerous polymerization.

### 10.2 Chemical stability

The product is stable under normal conditions

### 10.3 Possibility of hazardous reactions

Not known.

### 10.4 Conditions to avoid

Avoid heat sources, excessive heating and direct sunlight.

### 10.5 Incompatible materials

Strong oxidants.

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, there are no hazardous decomposition products.

## SECTION11: Toxicological Information

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/ irritation

Based on available data, the classification criteria are not met.

Serious eye damage/ irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT- single exposure

Based on available data, the classification criteria are not met.

STOT- repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

## **SECTION12: Ecological Information**

**12.1Ecotoxicity: Ecotoxicity in water (LC50):** 58.5 ppm 96 hours [Trout].

**12.2BOD5 and COD:** Not available.

### **12.3Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**12.4Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

**12.5 Special Remarks on the Products of Biodegradation:** Not available.

## **SECTION13: Disposal Considerations**

### **Product:**

Chemicals must be disposed of in compliance with the respective national regulations.

### **Packaging:**

Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

## **SECTION14: Transport Information**

General: The substance is not a subject to transport regulations on hazardous goods included in ADR (road transport), RID (rail transport), IMDG (marine transport) and ICAO/IATA (air transport).

### **14.1 UN number**

ADR/RID: Non-regulated Material  
IMDG: Non- Regulated Material  
ICAO/IATA: Non-regulated Material

### **14.2 Proper shipping name**

ADR/RID: Non-regulated Material  
IMDG: Non- Regulated Material  
ICAO/IATA: Non-regulated Material

### **14.3 Transport hazard class(es)**

ADR/RID: Non-regulated Material  
IMDG: Non- Regulated Material  
ICAO/IATA: Non-regulated Material

### **14.4 Packing group**

ADR/RID: Non-regulated Material  
IMDG: Non- Regulated Material  
ICAO/IATA: Non-regulated Material

### **14.5 Environmental hazards**

ADR/RID: Non-regulated Material

IMDG: Non- Regulated Material  
ICA0/IATA: Non-regulated Material

**14.6 Special precautions for user:** Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
Not applicable.

## **SECTION15: Regulatory Information**

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

Regulation (EU) 2020/878 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC)No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Regulation (EU) 2020/878 of the European Parliament and of the Council of 16 December 2008 on classification,

labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EU) 2020/878 (Text with EEA relevance). Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances. Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations. Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EU) 2020/878 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures (Text with EEA relevance). Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EU) 2020/878 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance). 2008/98/EC of the European Parliament and of the Council of 19. November 2008 on waste. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

### **15.2 Chemical safety assessment**

Chemical Safety Assessment was carried out for one substance in the mixture.

## **SECTION16: Other Information**

Asp. Tox. 1 Aspiration hazard category 1

H302 Harmful if swallowed.

H413 May cause long lasting harmful effects to aquatic life.

### **HMIS Rating**

Health hazard: 0

Chronic Health Hazard: \*

Flammability: 0

Physical Hazard 0

### **NFPA Rating**

Health hazard:0