

## MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Artline METALLIC INK MARKER EK-900XF , EK-990XF , EK-999XF (Gold) (Silver)
General Use	Paint marker
MSDS Number	EA1003R-0101

**MANUFACTURER**  
Company Name      Shachihata Inc.  
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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

## Substance / Mixture

Ingredients Chemical or Common Name(s)	wt.% Gold	CAS. Number	EINECS Number	
Cyclohexane,ethyl- Resin	40 ~ 60 10 ~ 30	40 ~ 60 10 ~ 30	1678-91-7 -	216-835-0 -
Brass (Copper) (Zinc) }	10 ~ 30	-	{ 7440-50-8 7440-66-6	231-159-6 231-175-3
Aluminum	-	10 ~ 30	7429-90-5	231-072-3
	100	100		

EU symbol(s) and risk phrase(s) is specified in 15. REGULATORY INFORMATION.

### 3. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

Flammable liquid with a solvent odor.

May cause allergic skin reaction.

## POTENTIAL HEALTH EFFECT

No data available

## POTENTIAL ENVIRONMENTAL EFFECTS

No data available

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### **4. FIRST AID MEASURES**

INHALATION      Move to well ventilated place.  
                    See medical advice immediately.

EYE                Immediately flush with plenty of water.  
                    See medical advice immediately.

SKIN               Wipe off with dry cloth and wash with mild soap.  
                    See medical advice immediately.

INGESTION        See medical advice immediately.

PROTECTION TO FIRST – AIDERS  
                    No data available

### **NOTE TO PHYSICIAN**

Treatment may vary with condition of victim and specifics of incident.

### **5. FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES  
                    Highly flammable

EXTINGUISHING MEDIA  
                    Dry chemical powder, foam or carbon dioxide.

FIRE FIGHTING INSTRUCTIONS  
                    Wear full fire-fighting turn-out gear and respiratory protection.

### **6. ACCIDENTAL RELEASE MEASURES**

LAND SPILL       Wipe off with dry cloth.

WATER SPILL      Contain spilled liquid with sand or earth.  
                    Do not use combustible materials,such as sawdust.

### **7. HANDLING AND STORAGE**

HANDLING :       Use only in the well-ventilated areas.  
                    Avoid contact with skin or eyes , or clothing.  
                    Avoid inhalation and ingestion.  
                    Avoid high temp. and fire.  
                    Wash throughly after handling.

STORAGE :        Store in a cool, dry, well-ventilated location.  
                    Keep away from heat, sunlight.  
                    Keep away from children.

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### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **EXPOSURE LIMIT VALUES**

Not established

#### **EXPOSURE CONTROLS**

##### **Occupational Exposure Controls**

##### **Engineering Controls**

Use exhaust ventilation to keep airborne concentration below exposure limits.

##### **Personal Protection**

###### **Respiratory Protection**

Use with local exhaust ventilation, when in long use.

###### **Hand Protection**

Not required, but wear safety gloves, if necessary.

###### **Eye Protection**

Not required, but wear safety glasses, if necessary.

###### **Skin Protection**

To prevent ANY contact, wear impervious clothing such as gloves, apron, as appropriate.

#### **Environmental Exposure Controls**

Not established

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

#### **Appearance**

Physical state	Liquid
Odor	minor solvent odor
Boiling Point / Boiling Range	No data available
Flash Point	18 (closed cup)
Explosive Properties	No data available
Relative Density (g/cm <sup>3</sup> )	0.9 (Silver), 1.2 (Gold) g/cm <sup>3</sup>
Solubility [ Water ]	Insoluble

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## 10. STABILITY AND REACTIVITY

## CONDITIONS TO AVOID No data available

STABILITY No data available

## MATERIALS TO AVOID No data available

**HAZARDOUS REACTIONS / DECOMPOSITION PRODUCTS**  
No data available

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity (RTECS : 2004-11)  
Not established

## 12. ECOLOGICAL INFORMATION

ECOTOXICITY No data available

BIOACCUMULATIVE POTENTIAL No data available

OTHER ADVERSE EFFECTS No data available

## 13. DISPOSAL CONSIDERATIONS

Comply with all federal, state, EU, national and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

## 14. TRANSPORT INFORMATION

UN CLASS 3

## UN Packing Group (PG)

**UN NUMBER**

**PROPER SHIPPING NAME**

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### **15. REGULATORY INFORMATION**

Refer to any other federal , state , EU , national and local regulations.

OSHA STATUS : This product is hazardous under 29 CFR 1910.1200.

TSCA STATUS : All components on TSCA INVENTORY.

CERCLA REPORTABLE QUANTITY (40 CFR 117,302) :  
Not applicable

SARA TITLE : Not applicable

This product is classified as follows ,

Symbol : F ( Highly Flammable)

Risk Phrase : 11 ( Highly flammable)

Safety Advice : 2 ( Keep out of the reach of children.)  
9 ( Keep container in a well-ventilated place.)

Please refer to any other EU, national and local measures.

### **16. OTHER INFORMATION**

This information is furnished without warranty,express or implied,  
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