

## SAFETY DATA SHEET

## Artline Paint Marker

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) &amp; 2015/830

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name	Artline Paint Marker
Product code	EK-400XF, EK-440XF, EK-444XF, EK-409XF, EK-419XF, EKPR-BDM, EKPR-GDM, EK-900XF, EK-990XF, EK-999XF, EK-993XF
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.

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

Identified Use(s)	Permanent paint markers for surfaces.
Uses Advised Against	Not known.

**1.3 Details of the supplier of the safety data sheet****Manufacturer**

Company Identification	Shachihata Inc.
Address of Manufacturer	4-69, Amazuka-cho, Nishi-ku, Nagoya City, 451-0021, Japan
Postal code	451-0021
Telephone:	+81-52-521-3600
Fax	+81-52-521-3899
E-mail	chem-analysis@ngy.shachihata.co.jp
Office hours	

**Supplier**

Company Identification	Shachihata (Europe) Ltd
Address of Supplier	Unit 8 Ashville Way Sutton Weaver Runcorn Cheshire
Postal code	WA7 3EZ
Telephone:	01928 790 844
Fax	01928 790 683
E-mail	sales@shachihata.eu
Office hours	09:00 - 17:00

**1.4 Emergency telephone number**

Emergency Phone No.	07799 626 040
Contact	Ros Williams

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

**2.2 Label elements**

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Product Name	According to Regulation (EC) No. 1272/2008 (CLP) Artline Paint Marker
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.

**2.3 Other hazards**

Sharp edges may cause injury.

**2.4 Additional Information**

None.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Articles for Marker : Artline Paint Marker

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
methylcyclohexane	108-87-2	203-624-3 01-2119556887-18-XXXX	25-60	Flam. Liq. 2 H225 Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 2 H411	GHS02 GHS08 GHS07 GHS09
titanium dioxide	13463-67-7	236-675-5 01-2119489379-17-XXXX	1-40	Not classified	None
Copper	7440-50-8	231-159-6 01-2119480154-42-XXXX	25-35	Not classified	None
aluminium powder (pyrophoric)	7429-90-5	231-072-3 01-2119529243-45-XXXX	5-15	Not classified	None
Carbon black	1333-86-4	215-609-9 01-2119384822-32-XXXX	1-10	Not classified	None

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation	Not normally required.
Skin Contact	Not normally required. Wash skin with water.
Eye Contact	Not normally required. If contact with eyes directly, flush with gently flowing fresh water thoroughly.
Ingestion	Unlikely route of exposure.

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

None anticipated.

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

No special requirements.

**SECTION 5: FIREFIGHTING MEASURES**

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**Artline Paint Marker****5.1 Extinguishing media**

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

**5.2 Special hazards arising from the substance or mixture**

None anticipated.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Not normally required.

**6.2 Environmental precautions**

Do not release large quantities into the surface water or into drains.

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

Collect mechanically and dispose of according to Section 13.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

No special precautions are required for this product. Wash hands and exposed skin thoroughly after handling.

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

Storage temperature Ambient.

Storage life Stable under normal conditions.

Incompatible materials None known.

**7.3 Specific end use(s)**

Permanent paint markers for surfaces.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Titanium dioxide total inhalable	13463-67-7		10			

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Titanium dioxide respirable	13463-67-7		4		
Carbon black	1333-86-4		3.5		7
Copper fume (as Cu)	7440-50-8		0.2		
Copper and compounds: dust and mists (as Cu)	7440-50-8		1		2
Aluminium metal inhalable dust	7429-90-5		10		
Aluminium metal respirable dust	7429-90-5		4		

Region	Source
EU	EU Occupational Exposure Limits
United Kingdom	UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)
Remark	Notes

## 8.2 Exposure controls

8.2.1. Appropriate engineering controls No special requirements.

8.2.2. Personal protection equipment



Eye Protection Not normally required.



Skin protection Not normally required.



Respiratory protection Normally no personal respiratory protection is necessary.



Thermal hazards Not applicable.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Solid. Colour : Various .
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not applicable.
Flash Point	Not applicable.
Evaporation rate	Not known.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not known.

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Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Insoluble in water. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

None anticipated.

**10.5 Incompatible materials**

Not known.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.

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Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

**11.2 Other information**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

**12.2 Persistence and Degradation**

The product is not biodegradable.

**12.3 Bioaccumulative potential**

No information on this formulation.

**12.4 Mobility in soil**

Insoluble in water. The product is predicted to have low mobility in soil.

**12.5 Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**12.6 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose at suitable refuse site.

**13.2 Additional Information**

Dispose of contents in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION****Not classified as hazardous for transport.****14.1 UN number**

Not applicable

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**Artline Paint Marker****14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards**

Not classified as a Marine Pollutant.

**14.6 Special precautions for user**

Not known

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not known

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****European Regulations - Authorisations and/or Restrictions On Use**

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles methylcyclohexane (108-87-2)

Community Rolling Action Plan (CoRAP) methylcyclohexane (108-87-2), titanium dioxide (13463-67-7), Carbon black (1333-86-4)

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

**National regulations**

Other Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

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**SECTION 16: OTHER INFORMATION**

The following sections contain 1-16  
revisions or new statements:

**LEGEND**

Hazard Pictogram(s)	None. GHS02: GHS: Flame GHS07: GHS: Exclamation mark GHS08: GHS: Health hazard GHS09: GHS: Environment
Hazard classification	Flam. Liq. 2 : Flammable liquid, Category 2 Asp. Tox. 1 : Aspiration hazard, Category 1 Skin Irrit. 2 : Skin corrosion/irritation, Category 2 STOT SE 3_H336 : Specific target organ toxicity — single exposure, Category 3 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2
Hazard Statement(s)	H225: Highly flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.
Precautionary Statement(s)	None.
Acronyms	CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals STEL : Short term exposure limit STOT : Specific Target Organ Toxicity vPvB : very Persistent and very Bioaccumulative
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