

Artline Permanent Marker

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

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

| | |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Product Name | Artline Permanent Marker |
| Product code | EK-30, EK-50, EK-70, EK-90, EK-100, EK-110, EK-120, EK-130, EK-700 EK-710 EKPR-EXM EKPR-GPM EKPR-CRM |
| 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 marker. |
| 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. | 01928 790844 (office hours) |
| 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

| | |
|----------------------------|------------------------------------------------------------------------------|
| Product Name | According to Regulation (EC) No. 1272/2008 (CLP) Artline Permanent 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

Artline Permanent Marker

Articles for Marker : Artline Permanent 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) |
|-------------------------|----------|------------------------------------|-------|--------------------------------------------------------|-------------------------|
| Ethanol | 64-17-5 | 200-578-6 01-2119457610-43-XXXX | 45-65 | Flam. Liq. 2 H225 | GHS02 |
| ethyl lactate | 97-64-3 | 202-598-0 01-2120809949-37-XXXX | 10-30 | Flam. Liq. 3 H226 Eye Dam. 1 H318 STOT SE 3 H335 | GHS02 GHS05 GHS07 |
| propan-1-ol | 71-23-8 | 200-746-9 01-2119486761-29-XXXX | 1-15 | Flam. Liq. 2 H225 Eye Dam. 1 H318 STOT SE 3 H336 | GHS02 GHS05 GHS07 |
| benzyl alcohol | 100-51-6 | 202-859-9 01-2119492630-38-XXXX | 1-5 | Acute Tox. 4 H302 Acute Tox. 4 H332 | GHS07 |

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

Non-flammable.

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable extinguishing media Do not use water jet.

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

Artline Permanent Marker**7.1 Precautions for safe handling**

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

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 marker.

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 ³) | STEL (ppm) | STEL (mg/m ³) | Note |
| Ethanol | 64-17-5 | 1000 | 1920 | | | |
| Propan-1-ol | 71-23-8 | 200 | 500 | 250 | 625 | Sk |

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

Remark Sk Notes Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

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 Minor solvent odour.
Odour threshold Not known.
pH Not known.
Melting point/freezing point Not known.
Initial boiling point and boiling range Not applicable.

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| | |
|----------------------------------------------|-----------------------------------------------------------------------------|
| Flash Point | Not applicable. |
| Evaporation rate | Not known. |
| Flammability (solid, gas) | Non-flammable. |
| Upper/lower flammability or explosive limits | Not known. |
| 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

No hazard expected under normal conditions of use.

11.1 Information on toxicological effects

| | |
|--------------------------------|------------------------------------------------------------------------------------|
| Acute toxicity - Ingestion | Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 10000.00000 |
| Acute toxicity - Skin Contact | Not classified. |
| Acute toxicity - Inhalation | Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 30.00000 |
| 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. |
| 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. |

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| | |
|------------------------------------------------|----------------------------------------------------------------------------|
| Toxicity - Algae | Low toxicity to algae. |
| Toxicity - Sediment Compartment | Not classified. |
| Toxicity - Terrestrial Compartment | Not classified. |
| 12.2 Persistence and Degradation | Part of the components are 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 | Disposal should be in accordance with local, state or national legislation. |

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

| | |
|--------------------------------------------------------------------------------|---------------------------------------|
| 14.1 UN number | Not applicable |
| 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

REACH: ANNEX XIV list of substances subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Community Rolling Action Plan (CoRAP) Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

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Other
15.2 Chemical Safety Assessment Not known.
 A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

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

LEGEND

| | |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard Pictogram(s) | None. GHS02: GHS: Flame GHS05: GHS: Corrosion GHS07: GHS: Exclamation mark |
| Hazard classification | Flam. Liq. 2 : Flammable liquid, Category 2 Flam. Liq. 3 : Flammable liquid, Category 3 Acute Tox. 4 : Acute toxicity, Category 4 Eye Dam. 1 : Serious eye damage/irritation, Category 1 Acute Tox. 4 : Acute toxicity, Category 4 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3 |
| Hazard Statement(s) | H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H302: Harmful if swallowed. H318: Causes serious eye damage. H332: Harmful if inhaled. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. |
| Precautionary Statement(s) Acronyms | None. 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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