

Safety Data Sheet (MSDS)

Artline Xstamper

(P332+P313)

## ) Issued Date : 5 May 2008 Revised Date : 24 November 2020

|  |   |   | Revised Date : 24 November | er 2020                      |
|--|---|---|----------------------------|------------------------------|
| SECTION 1  | CHEMICAL PRODUCT AN   | D COMPANY IDEN  | ITIFICATION                |                              |
| Product Name :   | Artline Permanent Markers   | Colour : (Black)  |                            |                              |
|  | EK-30, EK-50, EK-70, EK-90, E   | EK-100, EK-110, EK-12   | 0, EK-130, EK-700          |                              |
|  | Artline marking INK   |   | Artline 70 G               |                              |
|  | ESK-20, ESK-20-30, ESK-20-6   | 60, ESK-3   |                            |                              |
| Company Name<br>Address<br>Telephone<br>Fax<br>Contact (e-mail)<br>Emergency Call<br>Recommended u | : + 81- 52- 521- 3600 (Sha  |   | 21, Japan                  |                              |
| SECTION 2  | HAZARDS IDENTIFICATIO   | <b>N</b>  |                            |                              |
| GHS Classificatio<br>Physical Hazar<br>Flammable li<br>Health Hazards                              | r <b>ds</b><br>quids  | Category 2  | Artinette                  | N COLOR                      |
| Serious eye  | damage  | Category 1  | the states                 | The second second            |
| Hazardous to   | o the aquatic environment (acute)<br>o the aquatic environment (chronic)<br>o the ozone layer   | Classification not po<br>Classification not po<br>Classification not po | ssible                     |                              |
| Signal word  | : Danger  |   |                            |                              |
| Hazard statem  | -   |   |                            | (H225)<br>(H318)             |
| <b>Precautionary</b><br>[Prevention]   | statement   | 490   |                            |                              |
| Keep away fi   | each of children.<br>om heat, hot surfaces, sparks, ope<br>tionary measures against static disc   |   | tion sources. No smoking.  | (P102)<br>(P210)<br>(P243)   |
| Wear eye pro<br>【Response】   | otection.   | -   |                            | (P280)                       |
|  | <ul> <li>Use dry chemical powder, foam</li> <li>Rinse cautiously with water for sev</li> <li>Remove contact lenses, if present</li> </ul> | eral minutes.   | -                          | (P370+P378)<br>(P305+P351+P3 |
| •  | n persists : Get medical advice and<br>call a POISON CENTER or physicia   | l attention.  | zo mong.                   | (P337+P313)<br>(P310)        |
| IF ON SKIN   | (or hair) : Take off immediately all c  | contaminated clothing. F  | linse skin with water.     | (P303+P361+P3                |

If skin irritation occurs : Get medical advice and attention.

### COMPOSITION/INFORMATION ON INGREDIENTS SECTION 3

## Substanco / Mixturo . Mischung

| Chemical Name /  | Composition | CAS          | Hazard Class                          | Hazard statement |
|------------------|-------------|--------------|---------------------------------------|------------------|
| Generic name     | weight %    | Registry No. | (category)                            |                  |
| Ethanol          | 50 ~ 60     | 64-17-5      | Flam. Liq. 2                          | H225             |
| Dronon 1 al      | 1 ~ 10      | 71-23-8      | Flam. Liq. 2                          | H225             |
| Propan-1-ol      | 1 ~ 10      | / 1-23-0     | Eye Dam. 1<br>STOT. SE. 3             | H318<br>H336     |
|                  |             |              | Flam. Liq. 3                          | H226             |
| Ethyl lactate    | 10 ~ 20     | 97-64-3      | Eye Dam. 1<br>STOT. SE. 3             | H318<br>H335     |
| Deneral electric | 4 5         | 400 54 0     | Acute Tox.(oral) 4                    | H302             |
| Benzyl alcohol   | 1 ~ 5       | 100-51-6     | Acute Tox.(inhal.) 4<br>Eye Irrit. 2A | H332<br>H319     |
| Synthetic resin  | 5 ~ 15      | Confidential | none                                  | none             |
| Dyestuff         | 5 ~ 15      | Confidential | none                                  | none             |
| Additive         | 1 ~ 5       | Confidential | none                                  | none             |
| total            | 100         |              |                                       |                  |

#### **SECTION 4** FIRST-AID MEASURES

**IF INHALED** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.

- **IF ON SKIN** : Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
- **IF IN EYES** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- : After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, **IF SWALLOWED** and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

#### **SECTION 5** FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA
- : Dry chemical powder, foam or carbon dioxide
- UNSUITABLE EXTINGUISHING MEDIA
  - : Water jet

# SPECIFIC EXTINCTION METHOD

For initial stage extinction, carbon dioxide or dry chemical powder.

When a fire extends, fire is extinguished by a large amount of water spray.

Do not discharge extinguishing waters into the aquatic environment.

# **SPECIAL PROTECTIVE FOR FIRE- FIGHTERS**

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

## **SECTION 6** ACCIDENTAL RELEASE MEASURES

# PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

[ISO11014:2009] [Shachihata Inc.] [ESK-20\_black\_m] 3/5

# **ENVIRONMENTAL PRECAUTIONS**

Do not throw the leakage thing directly into environment

## METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.)

and collect into empty container by scoop, suction equipment or the like.

# SECONDARY ACCIDENT PREVENTION MEASURE

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources.)

# SECTION 7 HANDLING AND STORAGE

Handling : Use with adequate ventilation.

Avoid contact with skin, eyes and clothing.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not eat, drink or smoke when using this product.

Storage: Keep containers tightly closed and store in a cool and dry place.Keep away from heat and flame, ignition source and sunlight.Keep out of the reach of children.

# SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

| OCCUPATIONAL EXPOS<br>ACGIH (2020)<br>Ethanol<br>Propan-1-ol           | URE LIMIT           | STEL<br>TWA | 1,000 ppm<br>100 ppm  |
|--|---------------------|-------------|---|
| OSHA PEL<br>Ethanol<br>Propan-1-ol<br>DIRECTIVE 2000/39/EC             | 2                   | TWA<br>TWA  | 1,000 ppm<br>200 ppm<br>None  |
| Japan Society for Occup<br>Benzyl alcohol<br><b>PERSONAL PROTECTIO</b> | · · ·               | )<br>TWA    | 25 mg/m <sup>3</sup>  |
| Respiratory Protection   |                     |             | ation, when in long use.<br>ear mask to prevent organic gas, if necessary.  |
| Hand Protection<br>Eye Protection<br>Skin Protection                   | : Avoid contact wit | h eyes. We  | ear safety gloves, if necessary.<br>ar safety glasses, if necessary.<br>rsonal protection apron, boots, if necessary. |

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| Appearance                 | : Black liquid                            |
|----------------------------|---|
| Odour                      | : Minor solvent odour                     |
| рН                         | : Not applicable                          |
| Boiling point              | : 78 ~ 205 °C                             |
| Flash point                | : 16.5 °C (closed cup)                    |
| Relative Density (at 25°C) | : $0.85 \sim 0.95 \text{ (g/cm}^3)$       |
| Solubility in Water        | : Insoluble                               |
| SECTION 10 STAB            | LITY AND REACTIVITY                       |
| Stability                  | : Stable under normal handling.           |
| Conditions to Avoid        | : High temperature, Direct sunlight, Fire |
| Incompatible Materials     | : Strong oxidising agents                 |

Hazardous Decomposition Products : CO, CO<sub>2</sub>

| SECTION 11         | TOXICOLOGICAL IN         | FORMATI         | ON                               |  |
|--------------------|--------------------------|-----------------|----------------------------------|--|
| Acute toxicity     | : LD/LC50 values th      | nat are releva  | ant for classification           |  |
|                    | [Ethanol]                |                 |                                  |  |
|                    | Oral-rat                 | LD50            | >5,000 mg/kg                     |  |
|                    | Inhalation-rat           | LC50            | >20 mg/L/4h                      |  |
|                    | [Propan-1-ol]            |                 |                                  |  |
|                    | Oral-rat                 | LD50            | >2,000 mg/kg                     |  |
|                    | Dermal-rabbit            | LD50            | >2,000 mg/kg                     |  |
|                    | Inhalation-rat           | LC50            | >20 mg/L/4h                      |  |
|                    | [Ethyl lactate]          |                 |                                  |  |
|                    | Oral-rat                 | LD50            | >2,000 mg/kg                     |  |
|                    | Dermal-rabbit            | LD50            | >5,000 mg/kg                     |  |
|                    | [Benzyl alcohol]         |                 |                                  |  |
|                    | Oral-rat                 | LD50            | >300 - <=2,000 mg/kg             |  |
|                    | Inhalation-rat           | LC50            | >10 - <=20 mg/L/4h               |  |
| Serious eye dama   | ge : Category 1 C        | auses serio     | us eye damage                    |  |
| Carcinogenicity    | : This product does      | not contain a   | any component that is considered |  |
| 0,                 |                          |                 | ACGIH, EPA, EU or NTP.           |  |
| SECTION 12         | ECOLOGICAL INFO          | RMATION         |                                  |  |
| Hazardous to the a | aquatic environment (acu | <b>te)</b> : Cl | assification not possible        |  |
| Hazardous to the a | aquatic environment (chr | onic) : Cl      | assification not possible        |  |
| Hazardous to the c | ozone layer              | : Cl            | assification not possible        |  |

# SECTION 13 DISPOSAL CONSIDERATIONS

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

# SECTION 14 TRANSPORT INFORMATIONUN number(DOT, ADR, IMDG, IATA): UN1993UN proper shipping name(DOT, ADR, IMDG, IATA): FLAMMABLE LIQUID, N.O.S.<br/>(Ethanol, Propan-1-ol, Ethyl lactate)UN Classification: 3Packing group(DOT, ADR, IMDG, IATA): II

Marine pollutant (Y/N)

EmS number

☆☆

Artline Permanent Marker (EK-30, EK-70, EK-90, EK-700) is not a Dangerous Goods by the special provision. However, Artline Permanent Marker (EK-50, EK-100, EK-110, EK-120, EK-130) is a Dangerous Goods (UN3175) for more than 10ml.

: N

: F-E,S-E

| Artline Permanent Marker (EK     | K-30, EK-70, EK-90, EK-700)        | (The amount of ink : less than 10ml)                  |
|----------------------------------|------------------------------------|---|
| UN number                        | : UN3175                           |   |
| UN proper shipping name          | : Solids containing Flammable I    | .iquid. n.o.s.  |
| IATA                             | Special Provision A46              |   |
| IMDG Code                        | Special Provision 216              |   |
| According to IATA Special Pro    | ovision A46, and IMDG Code Spec    | al Provision 216, small inner packagings consisting   |
| of sealed packets and articles   | containing less than 10 mL of a C  | ass 3 liquid in Packing Group II or III absorbed onto |
| a solid material are not subject | t to as a hazardous material/dange | rous goods provided there is no free liquid in the    |
| packet or article.               |                                    |   |
| Artline Permanent Marker (EK     | K-50, EK-100, EK-110, EK-120, EK   | (The amount of ink : over 10ml)                       |
| UN number                        | : UN3175                           |   |
| UN proper shipping name          | : Solids containing Flammable I    | iquid. n.o.s.   |
| UN Classification                | : 4.1                              |   |
| Packing group                    | : II                               |   |

# SECTION 15 REGULATORY INFORMATION

| Regulation (EC) No 1272/2008 (CLP)         Substance name       : [Ethanol]         Hazard Class & Category       : Flammable liquids, Category 2         Symbols       : GHS02         Signal word       : Danger         Hazard statements       : H225 Highly flammable liquid and vapour         Substance name       : [Propan-1-ol]         Hazard Class & Category       : Flammable liquids, Category 1 |
|---|
| Hazard Class & Category:Flammable liquids, Category 2Symbols:GHS02Signal word:DangerHazard statements:H225Substance name:[Propan-1-ol]Hazard Class & Category:Flammable liquids, Category 2Serious eye damage, Category 1:  |
| Symbols: GHS02Signal word: DangerHazard statements: H225 Highly flammable liquid and vapourSubstance name: [Propan-1-ol]Hazard Class & Category: Flammable liquids, Category 2<br>Serious eye damage, Category 1  |
| Signal word: DangerHazard statements: H225Highly flammable liquid and vapourSubstance name: [Propan-1-ol]Hazard Class & Category: Flammable liquids, Category 2<br>Serious eye damage, Category 1   |
| Hazard statements: H225Highly flammable liquid and vapourSubstance name: [Propan-1-ol]Hazard Class & Category: Flammable liquids, Category 2<br>Serious eye damage, Category 1  |
| Substance name : [Propan-1-ol]<br>Hazard Class & Category : Flammable liquids, Category 2<br>Serious eye damage, Category 1   |
| Hazard Class & Category : Flammable liquids, Category 2<br>Serious eye damage, Category 1   |
| Serious eye damage, Category 1  |
|   |
|   |
| Specific target organ toxicity - single exposure, Category 3  |
| Symbols : GHS02,GHS07,GHS05<br>Signal word : Danger   |
| Hazard statements : H225 Highly flammable liquid and vapour   |
| H318 Causes serious eye damage  |
| H336 May cause drowsiness or dizziness  |
| Substance name : [Ethyl lactate]  |
| Hazard Class & Category : Flammable liquids, Category 3   |
| Serious eye damage, Category 1  |
| Specific target organ toxicity - single exposure, Category 3  |
| Symbols : GHS02,GHS07,GHS05   |
| Signal word : Danger  |
| Hazard statements : H226 Flammable liquid and vapour  |
| H318 Causes serious eye damage  |
| H335 May cause respiratory irritation   |
| Substance name : [Benzyl alcohol]   |
| Hazard Class & Category : Acute toxicity (inhalation: vapour), Category 4   |
| Acute toxicity (oral), Category 4   |
| Symbols : GHS07   |
| Signal word : Warning   |
| Hazard statements : H332 Harmful if inhaled   |
| H302 Harmful if swallowed   |
| < USA Information >   |
| OSHA STATUS : This product is hazardous under 29 CFR 1910.1200.   |
| TSCA STATUS : All components on TSCA INVENTORY.   |
| TSCA Hazard Communication Program (40 CFR Part 721) (SNUR) : Not Applicable   |
| CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : Not Applicable  |

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

# SECTION 16 OTHER INFORMATION

SARA TITLE III Section 313 (40 CFR 372)



California Proposition 65

EU RoHS (Directive 2011/65/EU) EU ELV (DIRECTIVE 2000/53/EC) This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

: Not Applicable

: Not listed