



# Safety Data Sheet

according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"



Issued Date : 02.11.2015

Revised Date :

## SECTION 1: Identification ; Chemical product and company identification

### 1.1. Product identifier

Product Name : Artline Supreme Permanent Marker Color : (Green)  
EPF-700

### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Permanent marker ink

### 1.3. Details of the supplier and manufacturer

#### [Australia]

Supplier Company Name : Pelikan Artline Pty Limited  
Address : 2 Coronation Ave Kings Park NSW 2148  
Phone : 02 9674 0900  
Fax : 02 9674 0910  
URL : <http://www.pelikanartline.com.au/>

#### [Japan]

Manufacturer Company Name : Shachihata Inc.  
Address : 4-69,Amazuka-cho,Nishi-ku,Nagoya City,451-0021,Japan  
Phone : +81-52-521-3600  
Fax : +81-52-521-3899  
Contact (e-mail) : [chem-analysis@ngy.shachihata.co.jp](mailto:chem-analysis@ngy.shachihata.co.jp)

### 1.4. Emergency phone number

[Australia] 02-9674-0900 or Mobile: 0423-782-595

## SECTION 2: Hazards identification

Hazardous Substance , Dangerous Goods.

Classified as hazardous according to the criteria of Safe Work Australia (SWA - formerly NOHSC),  
and as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code for Transport by Road and Rail.

### 2.1. Classification of the substance or mixture

#### 2.1.1. Classification (SWA)

Flammable liquids, Category 2 H225 : Highly flammable liquid and vapour  
Serious eye damage /eye irritation, Category 1 H318 : Causes serious eye damage

#### 2.1.2. Classification (NOHSC:2011(2003))

|                                     |   |
|-------------------------------------|---|
| Classification                      | R-Phrase  |
| F; R11 - Xn; R20/22 - Xi; R37-41-67 | R11 : Highly flammable.                           |
|                                     | R20/22 : Harmful by inhalation and if swallowed.  |
|                                     | R37 : Irritating to respiratory system.           |
|                                     | R41 : Risk of serious damage to eyes.             |
|                                     | R67 : Vapours may cause drowsiness and dizziness. |

### 2.2. Label elements

#### Labelling (SWA)

Hazard pictograms :



Signal word : Danger

Hazard statement : Highly flammable liquid and vapour (H225)  
Causes serious eye damage (H318)

Precautionary statement

**【Prevention】**

- Keep away from heat/sparks/open flames/hot surfaces. - No smoking. (P210)
- Take precautionary measures against static discharge. (P243)
- Wear protective gloves/protective clothing/eye protection/face protection. (P280)
- Use only outdoors or in a well-ventilated area. (P271)
- Wash hands thoroughly after handling. (P264)

**【Response】**

- In case of fire : Use dry chemical powder, form or carbon dioxide for extinction. (P370+P378)
- IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)
- IF IN EYES : Rinse cautiously with water for several minutes. (P305+P351+P338)
- Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists : Get medical advice/attention. (P337+P313)
- IF ON SKIN (or hair) : Remove/Take off immediately all contaminated clothing. (P303+P361+P353)
- Rinse skin with water/shower.
- If skin irritation occurs : Get medical advice/attention. (P332+P313)
- IF SWALLOWED : Get medical advice/attention if you feel unwell. Rinse mouth. (P301+P314+P330)

**【Storage】**

- Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

**【Disposal】**

- Dispose of contents/container to waste in accordance with (P501)
- local/regional/ national/international regulation (to be specified).

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

Ingredients :

| Chemical Name /<br>Generic name | CAS-No.<br>Index | Classification<br>(NOHSC:2011(2003)) | Classification<br>GHS (SWA)                                  | Composition<br>weight % |
|---------------------------------|------------------|--------------------------------------|--|-------------------------|
| Ethyl alcohol                   | 64-17-5          | F; R11                               | Flam. Liq. 2 ; H225  | 45 ~ 55                 |
| Propan-1-ol                     | 71-23-8          | F; R11<br>Xi; R41-R67                | Flam. Liq. 2 ; H225<br>Eye Dam. 1 ; H318<br>STOT SE 3 ; H336 | 5 ~ 15                  |
| Ethyl lactate                   | 97-64-3          | R10<br>Xi; R37-41                    | Flam. Liq. 3 ; H226<br>Eye Dam. 1 ; H318<br>STOT SE 3 ; H335 | 10 ~ 20                 |
| Benzyl alcohol                  | 100-51-6         | Xn; R20/22                           | Acute Tox. 4 ; H332<br>Acute Tox. 4 ; H302                   | 1 ~ 5                   |
| Synthetic resin (Polymers)      | Confidential     | none                                 | none   | 10 ~ 20                 |
| Dyestuff                        | Confidential     | none                                 | none   | 5 ~ 10                  |
| total                           |                  |                                      |  | 100                     |

**SECTION 4: First-aid measures****4.1. Description of 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.
- IF SWALLOWED : After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, 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: Firefighting-measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, foam or carbon dioxide  
 Unsuitable extinguishing media : Water jet

### 5.2. Special hazards arising from the substance or mixture

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.

### 5.3. Advice for firefighters

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**

### 6.1. 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.

### 6.2. Environmental precautions

Do not throw the leakage thing directly into environment

### 6.3. Methods and material 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.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Advice on safe 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.

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

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

## **SECTION 8: Exposure controls and personal protection**

### 8.1. Control parameters

Australian exposure standards(2013)

|               |     |         |
|---------------|-----|---------|
| Ethyl alcohol | TWA | 1000ppm |
| Propan-1-ol   | TWA | 200ppm  |

EH40/2005 Workplace exposure limits

|               |     |         |
|---------------|-----|---------|
| Ethyl alcohol | TWA | 1000ppm |
| Propan-1-ol   | TWA | 200ppm  |

ACGIH (2013)

|               |      |         |
|---------------|------|---------|
| Ethyl alcohol | STEL | 1000ppm |
| Propan-1-ol   | TWA  | 100ppm  |

### 8.2. Exposure controls

Personal protective equipment

Respiratory Protection : Use with local exhaust ventilation, when in long use.  
 Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.  
 Hand Protection : Avoid contact with hands. Wear safety gloves, if necessary.  
 Eye Protection : Avoid contact with eyes. Wear safety glasses, if necessary.  
 Skin Protection : Avoid skin contact. Wear personal protection apron, boots, if necessary.

Environmental exposure controls

General advice : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                             |                                    |
|-----------------------------|------------------------------------|
| Appearance                  | : green liquid                     |
| Odour                       | : minor solvent odour              |
| pH                          | : Not applicable                   |
| Boiling point               | : No data available                |
| Flash point                 | : 16.5 °C (closed cup)             |
| Relative Density (at 25 °C) | : 0.85 - 0.95 (g/cm <sup>3</sup> ) |
| Solubility in Water         | : Insoluble                        |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Thermally stable at typical use temperatures.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

### 10.5. Incompatible Materials

No data available

### 10.6. Hazardous decomposition products

CO, CO<sub>2</sub>

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                |   |      |                             |
|----------------|---|------|-----------------------------|
| Acute toxicity | : LD/LC50 values that are relevant for classification |      |                             |
|                | [Ethyl alcohol]                                       |      |                             |
|                | Oral-rat  | LD50 | 7,060mg/kg                  |
|                | Inhalation-rat  | LC50 | 20,000ppm/10h               |
|                | [Propan-1-ol]   |      |                             |
|                | Oral-rat  | LD50 | 1,870mg/kg                  |
|                | Dermal-rabbit   | LD50 | 4,060mg/kg                  |
|                | Inhalation-rat  | LC50 | 4,000mg/l/4H                |
|                | [Ethyl lactate]                                       |      |                             |
|                | Oral-rat  | LD50 | 2,500mg/kg                  |
|                | Inhalation-rat  | LC50 | >5,400mg/m <sup>3</sup> /8H |
|                | [Benzyl alcohol]                                      |      |                             |
|                | Oral-rat  | LD50 | 1,610mg/kg                  |
|                | Dermal-rabbit   | LD50 | 2,000mg/kg                  |
|                | Inhalation-rat  | LC50 | >4,178mg/l/4H               |

Serious eye damage /eye irritation : Category 1 Causes serious eye damage

Carcinogenicity : Not listed by IARC, EPA, EU, NTP.

## SECTION 12: Ecological information

|                                     |                     |
|-------------------------------------|---------------------|
| 12.1. Ecotoxicity                   | : No data available |
| 12.2. Persistence and degradability | : No data available |
| 12.3. Bioaccumulative potential     | : No data available |
| 12.4. Mobility in soil              | : No data available |
| 12.5. Other adverse effects         | : No data available |

## SECTION 13: Disposal considerations

### 13.1. Disposal Methods

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 information**

|  |                  |  |
|--|------------------|--|
| 14.1. UN number  | ADG, IMDG, IATA  | : UN1210   |
| 14.2. UN proper shipping name  | ADG, IMDG, IATA  | : PRINTING INK,flammable   |
| 14.3. Transport hazard class(es)   | ADG, IMDG, IATA  | :<br><div> <div>• Class</div> <div>3 (Flammable liquids.)</div> <div>• Label</div> <div>3</div> </div> |
| 14.4. Packing group  | ADG, IMDG, IATA  | : II   |
| 14.5. Environmental hazards  | Marine pollutant | : No   |
| 14.6. Special precautions for user   | EMS Number       | : F-E,S-D  |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code |                  | : Not applicable.  |
| 14.8. HAZCHEM Code   |                  | : 3YE (ADG7)   |



☆☆

Artline Supreme Permanent Marker (EPF-700) is not a hazardous material by the special provision.

|  |  |                                   |
|--|--|-----------------------------------|
| Artline Supreme Permanent Marker (EPF-700) |  | (Amount of ink : less than 10ml ) |
| UN number                                  | : UN3175                                     |                                   |
| UN proper shipping name                    | : Solids containing Flammable Liquid. n.o.s. |                                   |
| IATA                                       | Special Provision A46                        |                                   |
| IMDG Code                                  | Special Provision 216                        |                                   |
| ADG  | Special Provision 216                        |                                   |

According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

**SECTION 15: Regulatory information**

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances),The Stockholm Convention (Persistent Organic Pollutants),and The Rotterdam Convention (Prior Informed Consent).

## &lt; GHS Information ; Safe Work Australia&gt;

|                         |  |
|-------------------------|--|
| Substance name          | : [Ethyl alcohol]  |
| 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 2<br>Eye irritation,Category1<br>Specific target organ toxicity - single exposure, Category 3  |
| Symbols                 | : GHS02,GHS07,GHS05  |
| Signal word             | : Danger   |
| Hazard statements       | : H225 Highly flammable liquid and vapour<br>H318 Causes serious eye damage<br>H336 May cause drowsiness or dizziness        |
| Substance name          | : [Ethyl lactate]  |
| Hazard Class & Category | : Flammable liquids, Category 3<br>Eye irritation,Category 1<br>Specific target organ toxicity - single exposure, Category 3 |
| Symbols                 | : GHS02,GHS07,GHS05  |
| Signal word             | : Danger   |
| Hazard statements       | : H226 Flammable liquid and vapour<br>H318 Causes serious eye damage<br>H335 May cause respiratory irritation                |
| Substance name          | : [Benzyl alcohol]   |
| Hazard Class & Category | : Acute toxicity - Oral,Category 4<br>Acute toxicity - Inhalation,Category 4   |

Symbols : GHS07  
 Signal word : Warning  
 Hazard statements : H302 Harmful if swallowed  
 H332 Harmful if inhaled

< NOHSC:2011(2003) Information >

Hazard designation

Substance name : [Ethyl alcohol]  
 Classification : F; R11  
 R-Phrase : R11 Highly flammable.  
 S-Phrase : S2 Keep out of the reach of children.  
 S7 Keep container tightly closed.  
 S16 Keep away from sources of ignition - No smoking.

Symbols and indications of danger specific F : Highly flammable

Substance name : [Propan-1-ol]  
 Classification : F; R11 - Xi; R41 - R67  
 R-Phrase : R11 Highly flammable.  
 R41 Risk of serious damage to eyes.  
 R67 Vapours may cause drowsiness and dizziness.  
 S-Phrase : S2 Keep out of the reach of children.  
 S7 Keep container tightly closed.  
 S16 Keep away from sources of ignition - No smoking.  
 S24 Avoid contact with skin.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S39 Wear eye/face protection.

Symbols and indications of danger specific F : Highly flammable Xi : Irritant

Substance name : [Ethyl lactate]  
 Classification : R10 - Xi; R37-41  
 R-Phrase : R10 Flammable.  
 R37 Irritating to respiratory system.  
 R41 Risk of serious damage to eyes.  
 S-Phrase : S2 Keep out of the reach of children.  
 S24 Avoid contact with skin.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S39 Wear eye/face protection.

Symbols and indications of danger specific Xi : Irritant

Substance name : [Benzyl alcohol]  
 Classification : Xn; R20/22  
 R-Phrase : R20/22 Harmful by inhalation and if swallowed.  
 S-Phrase : S2 Keep out of the reach of children.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Symbols and indications of danger specific Xn : Harmful

**SECTION 16: Other information****References**

|                          |  |
|--------------------------|--|
| Model Code of Practice   | Preparation of Safety Data Sheets for Hazardous Chemicals<br>Labelling of Workplace Hazardous Chemicals<br>National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC: 2011 (2003)] |
| GHS                      | Globally Harmonised System of Classification and Labelling of Chemicals (GHS)  |
| Safe Work Australia HSIS | <a href="http://hsis.safeworkaustralia.gov.au/HazardousSubstance">http://hsis.safeworkaustralia.gov.au/HazardousSubstance</a>  |
| WES                      | Workplace Exposure Standards for Airborne Contaminants (2013)  |
| ADG Code                 | Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition, National Transport Commission. (ADG7)  |



EU RoHS Directive(2002/95/EC) and ELV Directive(2000/53/EC)  
This product not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenylethers (PBDE).

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