

# Safety Data Sheet

according to Safe Work Australia document

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

Issued Date : 19th Jul. 2013

Revised Date : 25th Apr. 2016

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

### 1.1. Product identifier

Product Name : Artline MultiPen EMP-1,EMP-3 Colour : (Pastel purple)  
 Artline MultiPen MASSIMO EMP-25T



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

Recommended use : 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 , Non-Dangerous Goods.

Classified as hazardous according to the criteria of Safe Work Australia (SWA - formerly NOHSC), and not classified 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)

Serious eye damage /eye irritation, Category 2A H319 : Causes serious eye irritation

### 2.2. Label elements

#### Labelling (SWA)

Hazard pictograms :



Signal word : Warning

Hazard statement : Causes serious eye irritation

(H319)

#### Precautionary statement

##### 【Prevention】

Wash hands thoroughly after handling.

(P264)

Wear protective gloves/protective clothing/eye protection/face protection.

(P280)

##### 【Response】

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)

**【Storage】**

Store in a well-ventilated place. Keep container tightly closed.

(P403+P233)

**【Disposal】**

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

(P501)

**2.3. Other hazards**

No information available.

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

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethanol	1 ~ 5	64-17-5	Flam.Liq. 2	H225
Water	45 ~ 55	7732-18-5	none	none
Synthetic resin	10 ~ 20	Confidential	none	none
Titanium dioxide	20 ~ 30	13463-67-7	none	none
Pigment	1 ~ 5	Confidential	none	none
Diethanolamine	<2	111-42-2	Acute Tox.(oral) 4 Skin Irrit. 2 Eye Dam.1 STOT SE 2	H302 H315 H318 H373
Others	1 ~ 5	Confidential	none	none
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)

Ethanol	TWA	1000ppm
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
Diethanolamine	TWA	13 mg/m <sup>3</sup>

EH40/2005 Workplace exposure limits

Ethanol	TWA	1000ppm
Titanium dioxide	TWA	10 mg/m <sup>3</sup>

ACGIH (2015)

Ethanol	STEL	1000ppm
Titanium dioxide	TWA	10 mg/m <sup>3</sup>
Diethanolamine	TWA	1 mg/m <sup>3</sup> (skin)

**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 : purple liquid  
 Odour : none  
 pH : No data available  
 Boiling point : No data available  
 Flash point : Not applicable  
 Relative Density (at 25 °C) : 1.2 ~ 1.4 (g/cm<sup>3</sup>)  
 Solubility in Water : soluble

**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	>5,000 mg/kg
----------	------	--------------

Inhalation-rat	LC50	>20 mg/L/4h
----------------	------	-------------

[Diethanolamine]

Oral-rat	LD50	>300 - <=2,000 mg/kg
----------	------	----------------------

Dermal-rabbit	LD50	>5,000mg/kg
---------------	------	-------------

Serious eye damage /eye irritation : Category 2A Causes serious eye irritation

Carcinogenicity : Titanium dioxide has been classified by the IARC as Group 2B.  
Other materials ; Not contain any component that is considered  
a human carcinogen by IARC, ACGIH, EPA, EU or NTP .

Regarding the carcinogenicity of titanium dioxide, International Agency for Research on Cancer (IARC) has classified as a group 2B. However, ACGIH(American Conference of Governmental Industrial Hygienists) ,EPA(Environmental Protection Agency),EU (European Chemicals Agency), NTP (National Toxicology Program, USA) in the classification of suspected carcinogenic to humans has not been done. Therefore, as the ink product we could not classify the carcinogenicity of GHS from that there is no sufficient data.

**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	: none
-----------------	-----------------	--------

14.2. UN proper shipping name	ADG, IMDG, IATA	: none
-------------------------------	-----------------	--------

14.3. Transport hazard class(es)	ADG, IMDG, IATA	: none
----------------------------------	-----------------	--------

14.4. Packing group	ADG, IMDG, IATA	: none
---------------------	-----------------	--------

14.5. Environmental hazards	Marine pollutant	: No
-----------------------------	------------------	------

14.6. Special precautions for user	EMS Number	: none
------------------------------------	------------	--------

14.7. HAZCHEM Code		: none
--------------------	--	--------

## 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).

### < GHS Information ; Safe Work Australia>

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	: [Diethanolamine]
Hazard Class & Category	: Acute toxicity - Oral, Category 4 Skin irritation, Category 2 Eye Damage, Category 1 Specific Target Organ Toxicity(Repeated Exposure) , Category 2
Symbols	: GHS05,GHS07,GHS08
Signal word	: Danger
Hazard statements	: H302 Harmful if swallowed H315 Causes skin irritation H318 Causes serious eye damage H373 May cause damage to organs

## SECTION 16: Other information

### References

Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals Labelling of Workplace Hazardous Chemicals 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(2011/65/EC)  
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 are 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 are described in the product 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.