

117 - Stick Ink cartridge

Document Number: HSE 704A

Date Of Issue: 03/02/23

Revision Number: 1

Date of Revision: 03/02/23



The following Datasheet is applicable for the following products:

Product Name	Product Code	Description	Colour	White board Marker Ink Colour	Writing Length (M)	Tip Type
Fully Detectable Economy Pen Refills	117	Stainless bodied pen ink container	Stainless steel	Blue, Black, Red and Green	9,400 M	Ball point

1. Identification of the Substance

Product Name Stick ink refill

Colour Blue

2. Hazards Identification

- **Classification of the substance or mixture**

GHS Classification in accordance with OSHA Hazard Communication Standards (29 CFR 1910.1200)

Skin irritation (category 2)

Eye irritation (category 2)

- **GHS label elements**



Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes eye irritation.

Precautionary statements

P264 Wash thoroughly after handling.

P280 Wear protective gloves, eye protection and face protection.

Response precautionary statements

P302+352: If on skin Wash with soap and water.

P333+313: If skin irritation or rash occurs Get medical advice or attention.

P362 Take off contaminated clothing and wash before reuse.

P305+P351+P338: If in eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.

P310 Immediately call a poison center or doctor/physician.

Storage precautionary statements

None

Disposal precautionary statements

None

Description of any hazards not otherwise classified

No information available

3. Composition/Information on Ingredients**• Chemical characterization****Composition**

Ingredient	CAS No	Concentration (%)
Propane-1,2-diol	57-55-6	26.00%
2-phenoxy ethanol	122-996	20.00%
Epoxy resin	24969-06-0	14.00%
Solvent blue 38	1328-51-4	0.12%
Benzyl alcohol	100-51-6	10.00%
BX	147-14-8	8.00%
Solvent violet 8	52080-58-7	0.05%
Triethanolamine	102-71-6	5.00%

4. First Aid Measures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation occurs and persists, contact a doctor.

Skin contact Remove and isolate contaminated clothing and shoes. Wash off with soap and plenty of water. If irritation occurs and persists, contact a doctor.

Inhalation Move to fresh air. Administer oxygen if breathing is difficult. Get medical attention.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention immediately.

Advice to doctor Treat symptomatically.

5. Firefighting Advice**Flammability of the product**

Combustible

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

None known.

Special hazards arising from the substance or mixture

Decomposition products formed under fire conditions – carbon oxides, etc.

Advice for firefighters

Wear self-contained breathing apparatus and standard firefighting equipment for firefighting if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Avoid contact with skin and eyes. Remove all sources of ignition. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and material for containment and cleaning up

Contain spillage and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. Handling and Storage

Handling

Advice on safe handling

Use in well-ventilated condition. Keep away from sources of ignition – no smoking, take measure to prevent the build up of electrostatic charge. See section 2 for more precautions.

Storage

Requirements for storage

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

8. Exposure Controls/Personal Protection

Exposure limits

Not established

Engineering controls

Provide appropriate exhaust ventilation. Provide safe shower and eye wash fountain.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye protection

Use equipment for eye protection if liquid in-eye risk exists.

Body protection

Complete suit protecting against chemicals.

Hand protection

Handle with chemicalresistant gloves.

Other protections

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

General information

Form Liquid

Odour Weak odour

Ph N/A

Melting pint/range N/A

Boiling point/range N/A

Percent volaility N/A

Flash point >60°C -close up

Density N/A

Vapor pressure N/A

Vapor density N/A

Evaporation rate and reference N/A

Solubility in water Partly soluble in water

Explosion limits in air - upper N/A

Explosion limits in air - lower N/A

10. Stability and Reactivity

Stability

Stable under normal temperature and pressure.

Hazardous reactions

None hazardous reactions known.

Incompatibility (materials to avoid)

Strong oxidizing materials.

Conditions to avoid

Keep away from open flames, hot surfaces, sources of ignition.

Hazardous decomposition and/or combustion products

Other decomposition products – no data available. In the event of fire, see section 5.

11. Toxicological Information

Acute toxicity

No information available.

Skin corrosion/irritation

No known significant effects or harm.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitization

No sensitizing effects known.

Skin sensitization

May cause an allergic skin reaction.

Carinogenicity

No known significant effects or harm.

Germ cell mutagenicity

No known significant effects or harm.

Reproductive toxicity

No known significant effects or harm.

STOT-single exposure

No known significant effects or harm.

STOT repeated exposure

No known significant effects or harm.

Aspiration hazard

No known significant effects or harm.

Potential health effects

Inhalation

May cause respiratory irritation if inhaling concentrated vapor.

Skin contact

May cause an allergic skin reaction

Eye contact

Causes serious eye damage.

Ingestion

May be harmful if ingested.

12. Ecological Information

Ecotoxicity

No data available.

Bioaccumulative potential

No data available.

Persistence and degradability

No data available.

Results of PBT and vPvB assessment

PBT: not applicable.
vPvB: not applicable.

Other adverse effects

May be harmful to aquatic environment. Do not release to drains and water source without the permission of government.

13. Disposal Considerations

Safe handling and methods of disposal

Recycle if possible. Observe all federal, state and local environmental regulations. Offer surplus and non-recyclable products to a licensed disposal company.

14. Transport Information

ADR/RID information

ADR-UN number

Not classified for transport.

ADR class

Not classified for transport.

ADR shipping name

Not classified for transport.

ADR packing group

Not classified for transport.

IATA/ICAO information

IATA UN number

Not classified for transport.

IATA class

Not classified for transport.

IATA shipping name

Not classified for transport.

IATA label

None

IATA packing group

Not classified for transport.

IATA S.P

None

IATA ERG

None

IMO/IMDG information

IMDG marine pollutant

No

IMDG UN number

Not classified for transport.

IMDG class

Not classified for transport.

IMDG shipping name

Not classified for transport.

IMDG packing group

Not classified for transport.

IMDG storage category

Not classified for transport.

15. Regulatory Information

International regulations

US regulations: TSCA

All of components are listed on the TSCA inventory.

USA SARA

SARA 302 components

SARA 302

No chemical in this material are subject to the reporting requirements of SARA title III section 302.

SARA 313 components (specific toxic chemical listings)

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA title III, section 313.

16. Other Information

Abbreviations

CAS# Chemical Abstract Service number – used to uniquely identify chemical compounds.

pH Relates to hydrogen ion concentration – this value will relate to a scale of 0 – 14, where 0 is highly acidic and 14 is highly alkaline.

OSHA Occupational Safety and Health Administration.

NTP National Toxicology Program.

IARC International Agency for Research on Cancer.

ACGIH The American Conference of Governmental Industrial Hygienists.

ADR Agreement on Dangerous Goods by Road.

RID Regulations Concerning the International Carriage of Dangerous Goods by Rail.

ICAO International Civil Aviation Organization.

IMDG International Maritime Dangerous Goods.

IMO International Marine Organization.

Further information

This safety data sheet was prepared in accordance with UN GHS Rev.7 and OSHA Hazard Communication Standards (29 CFR 1910.1200).

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Refill Test Report

1. Name: 1.0 metal tube refill

2. Customer:

3. Test item: writing length

4. Test condition: Temperature 20 degree, Relative humidity 50%, writing pressure 150g, writing angle: 70 degree, ISO 12757 writing paper, writing speed, 4.5m/min

5. Test machine: Electronic balance scale, circle writing machine

Color	blue					black				
Item	1	2	3	4	5	6	7	8	9	10
Length(M)	760	820	815	793	850	782	810	832	851	885

No warranty is given or implied with respect to this information or patent infringement. Detectamet Ltd do not accept liability for loss or damage arising from the use of this information. Results are based on a test sample, our general experience and information from our suppliers. Data and results must be confirmed by the buyer by testing for its intended conditions of use.



Helen Morrison
Group Managing Director