

SECTION 1 Product & Supplier Identification

Product Name	Printed Metal Pen Ink
Other Names	Printed Metal Pen
Product Code	19302
Barcode Number	
Recommended Use	Ink for use in Printed Metal Pen.
Restrictions on Use	None known
Company	CleverPatch Pty Ltd
ABN	48 130 866 885
Address	PO Box 7, Hunter Region Mail Centre, NSW, Australia 2310
Telephone	1300 836 522
Supplier Code	
Emergency Phone Number	Australia – 13 11 26 (Poisons Information Centre)

SECTION 2 Hazards Identification**Classification of the hazardous chemical**

Hazardous Chemical according to SWA and the ADG code.

Physical hazards	Not classified	
Health hazards	Serious eye damage / irritation	Category 1
	Carcinogenicity	Category 2
	Acute Toxicity – Oral	Category 5
Environmental hazards	Acute aquatic toxicity	Category 1

Label elements, including precautionary statements**Hazard symbols**

Corrosion



Health hazard



Environment

Signal word

DANGER

Hazard Statements

H318	Causes serious eye damage
H315	Suspected of causing cancer
H303	May be harmful if swallowed
H400	Very toxic to aquatic life

Precautionary statements

Prevention	P280	Wear eye, hand and face protection.
	P264	Wash hands thoroughly after handling.
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P273	Avoid release to the environment
	P281	Use personal protective equipment as required.
	P270	Do not eat, drink or smoke when using this product.
Response	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 CENTRE or doctor / physician.
	P308+P313	IF exposed or concerned: Get medical advice / attention.
	P301+P312	IF SWALLOWED: Call a POISON CENTRE or doctor / physician if you feel unwell.
	P330	Rinse mouth.
Storage	P403+P233	Store in well ventilated place. Keep container tightly closed.
	P405	Store locked up.
Disposal	P501	Dispose of contents/container in accordance with local regulations.

SECTION 3 **Ingredient Composition / Information**

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion (to 100%)</u>
Methyl Violet 3	548-62-9	< 10%
Basic Brilliant Blue B	2580-56-5	< 10%
Benzyl alcohol	100-51-6	10 – 20%
Non-hazardous components		to 100%

SECTION 4 **First Aid Measures**

General Information

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Description of necessary first aid measures

Eye	Immediately rinse with plenty of gently, running water for atleast 15 minutes, with eyes open wide as much as possible. Seek urgent medical attention.
Skin	Wash off with soap and water. If any symptoms arise seek medical attention.
Swallowed	Immediately rinse mouth with water. Repeat until contaminant is thoroughly removed. Give water to drink. Do not induce vomiting as this may risk further damage. If vomiting occurs give water to help dilution. Seek urgent medical attention.
Inhalation	Remove affected person to a fresh air or well ventilated area. Seek medical attention if symptoms persist.

Personal protection for first aid responders

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Symptoms caused by exposure

Direct contact with eyes may cause stinging / burning, tearing, redness and blurred vision.
Direct contact with skin may cause minor irritation.
Direct contact with mouth and throat may cause burning sensation and general irritation.

Medical attention and special treatment

Provide general supportive measures and treat symptomatically as for strong alkalis. Keep under observation as symptoms may be delayed. If not already done seek medical attention.

SECTION 5 **Fire Fighting Measures**

Extinguishing equipment

Suitable	Water, fog, foam, dry chemical powder, carbon dioxide. When choosing extinguishing equipment be aware of any potential hazard(s), example electrical.
Unsuitable	Anything that could spread the fire and or risk the safety of surrounding personnel.

Specific hazards arising from the chemical

This product is not likely to burn. It may however support combustion when the water has been removed and gases hazardous to health maybe formed.

Specific protective equipment and precautions for fire fighters

Self-contained breathing apparatus (SCBA) and full protective clothing (PPE) must be worn in case of fire.

General fire hazards No unusual fire or explosion hazards known.

SECTION 6**Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures**For non-emergency personnel**

Keep unnecessary personnel away and isolate hazard area and prevent entry. Stop leak only if safe to do so. Wear appropriate protective equipment during clean up. Product is very toxic to aquatic life so contain spill to prevent contamination to drains / water ways. Environmental Protection Authority and Local authorities should be contacted if spill cannot be contained. Collect and seal in properly labelled containers for disposal in accordance with local regulations. Heed advice under Section 8 "Personal Protection".

For emergency responders

Keep unnecessary personnel away and isolate hazard area and prevent entry. Stop leak only if safe to do so. Wear appropriate protective equipment and clothing during clean up. Contain spill to prevent contamination to drains / water ways. Heed advice under Section 8 "Personal Protection".

Environmental precautions

Product is toxic to aquatic life, avoid discharge to drains, water ways or onto the ground.

Methods and materials for containment and clean up

Large spills – Stop flow of material, if safe to do so. Contain spill where possible. Absorb spill in sand, vermiculite, dry earth or other inert absorbent material. Collect and seal in clearly and properly labelled containers for disposal in accordance with local regulations. Small spills – Wipe / clean up with absorbent material, e.g. cloth.

SECTION 7**Handling & Storage**

Precautions for safe handling

Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in a cool, sheltered location away from direct sunlight and waterways. Keep containers tightly closed at all times when not in use. Store in clearly labelled containers.

SECTION 8**Exposure Controls / Personal Protection**

Occupational exposure limits

No OELs noted for this product.

Biological limit values

No biological exposure values noted for this product.

Appropriate engineering controls

Use in a well-ventilated area. Provide an eyewash station and safety shower.

Individual protection measures, for example personal protective equipment (PPE)**Eye protection**

Wear safety goggles and face shield.

Skin protection

Wear impervious gloves and appropriate non-porous protective clothing. Do not wear short sleeve tops or short pants where unprotected skin is exposed.

Hygiene measures

Use and maintain good industrial hygiene. Always wash hands after use. Routinely maintain safety equipment. Do not eat, smoke or drink when handling this product.

SECTION 9 **Physical & Chemical Properties**

Appearance	Black liquid.
Odour	Odourless.
Odour threshold	Not available
pH	Not available
Melt point / freeze point	Not available
Boiling point	Not available
Flash point	> 100°C
Evaporation rate	Not available
Flammability	Not flammable
Upper/lower flammability limits	Not available
Relative density	Not available
Solubility in water	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Specific Gravity	Not available

SECTION 10 **Stability & Reactivity**

Reactivity Product is considered non-reactive under normal conditions of use, storage and transport.

Chemical stability This product is considered stable under normal conditions of use, storage and transport.

Possibility of hazardous reactions

No hazardous reaction known under normal use. Flammable hydrogen gas will form on reaction with aluminium, copper, zinc and lead. Product Gels and generates heat if mixed with acid. It may also react with ammonium salts resulting in evolution of ammonia gas.

Conditions to avoid Leaving solutions exposed to carbon dioxide in the air.

Incompatible materials

Strong acids.

Hazardous decomposition

If engulfed in fire product may give rise to the release of obnoxious fumes including oxides of carbon.

SECTION 11 **Toxicological Information**

Information on possible routes of exposure

Skin contact May cause irritation with some individuals.

Eye contact Serious eye irritation.

Ingestion May be harmful if swallowed, can cause mouth, throat or gastrointestinal issues.

Inhalation May cause respiratory irritation.

Symptoms related to exposure

Direct contact with eyes may cause stinging / burning, tearing, redness and blurred vision.

Direct contact with mouth and throat may cause general irritation.

Contact with gastrointestinal tract may cause irritation and discomfort.

Acute No specific data available.

Serious eye damage / irritation

Causes serious eye irritation.

Skin corrosion / irritation

May cause minor irritation.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Aspiration hazard

No data available.

Additional Information

This product does NOT contain,

Egg, dairy, soy, seafood, shellfish, wheat or peanut products, by-products or derivatives.

SECTION 12**Ecological Information**

Ecotoxicity

This product is considered toxic to the aquatic environment. Do not release this product or any water contaminated with this product into drains, soils or waterways. Sufficient measures should be taken to retain the water used in extinguishing any fires involving this product. Dispose of contaminant in accordance with local landfill or incineration regulations.

Persistence and degradability

No specific data available.

Bio accumulative potential

No specific data available.

Mobility in soil

No specific data available.

SECTION 13**Disposal Considerations**

Disposal methods

Dispose of this product and any water contaminated with this product in accordance with local regulations.

Contaminated packaging

The container in which the product is/was contained should also be disposed of in accordance with local regulations.

SECTION 14**Transport Information**

ADG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods for IATA

IMDG

Not regulated as dangerous goods.

Special Precautions

No special precautions or requirements for transport

SECTION 15**Regulatory Information**

Safety, health and environmental regulations

This Safety Data Sheet was prepared in accordance with Safe Work Australia's Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not allocated

AICS

All components are listed in the Australian Inventory of Chemical Substances.

SECTION 16**Other Information**

Reason for Revision Create SDS in accordance with GHS requirements.

ADG Australian Dangerous Goods Code
AICS Australia Inventory of Chemical Substances
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods Code

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Contact Point – CleverPatch Pty Ltd (BH) 1300 836 522

END MSDS

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