

1 Identification

Product Name: Pilot Extra Fine Permanent Marker

Other Means of Identification: Article

Product Code: SCAN-EF

Part Number: SCAN-EF-B/R/L/G

Recommended Use of the Chemical and Restriction on Use: Permanent Marker

Details of Manufacturer or Importer:

Pilot Pen Australia Pty Ltd

39 Enterprise Circuit

Prestons NSW 2170

Phone Number: 1300 325 866

Emergency telephone number: National Poisons Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

This product is considered as article and is as such exempted from the UN-GHS classification requirements.

The classification based on the hazardous substances contained in the product is provided below for information purposes only.



Flame

Flammable Liquids 3 H226 Flammable liquid and vapour.



STOT SE 3 H336 May cause drowsiness or dizziness.

Signal Word Warning

Hazard Statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 15.09.2022

Revision: 15.09.2022



Product Name: Pilot Extra Fine Permanent Marker

(Contd. of page 1)

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P370+P378	In case of fire: Use CO ₂ , powder or water spray to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 107-98-2	1-Methoxypropan-2-ol	 Flammable Liquids 3, H226;  STOT SE 3, H336	40-90%
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Non Hazardous Components:

Chromium(III) compound (proprietary)	10-20%
Copper compound (proprietary)	1-10%

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation persists.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Exposure to ink vapours may cause respiratory irritation, drowsiness or dizziness.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause mild eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use alcohol-resistant foam, dry chemical or carbon dioxide (CO₂).

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, oxides of nitrogen, oxides of sulfur and unidentified, toxic organic compounds.

Product is flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

HAZCHEM Code: •3Y

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 15.09.2022

Revision: 15.09.2022

Product Name: Pilot Extra Fine Permanent Marker

(Contd. of page 2)

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures**Personal Precautions, Protective Equipment and Emergency Procedures:**

Use appropriate ventilation. Wear protective equipment. Keep unprotected persons away. Extinguish all sources of ignition.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Wipe up small spills with a paper towel or dry rag. Clean up all spills immediately, since spilled materials, even in small quantities, may present a slip hazard. Absorb large spills with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Decontaminate spill area with water and detergents.

7 Handling and Storage**Precautions for Safe Handling:** No special measures required. Avoid rough handling or dropping.**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents and reducing agents.

8 Exposure Controls and Personal Protection**Exposure Standards:****CAS: 107-98-2 1-Methoxypropan-2-ol**

WES	STEL: 553 mg/m ³ , 150 ppm TWA: 369 mg/m ³ , 100 ppm
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Engineering Controls: Natural ventilation should be adequate under normal use conditions.**Respiratory Protection:** Respiratory protection is not required under normal use conditions.**Skin Protection:** Skin protection is not required under normal use conditions.**Eye and Face Protection:** Eye protection is not required under normal use conditions.**9 Physical and Chemical Properties****Appearance:**

Form:	Liquid
Colour:	According to product specification
Odour:	Solvent-like
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	120 °C (1-methoxypropan-2-ol)
Flash Point:	32 °C (1-methoxypropan-2-ol)
Flammability:	Flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	1.9 Vol % (1-methoxypropan-2-ol)
Upper:	13.1 Vol % (1-methoxypropan-2-ol)

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 15.09.2022

Revision: 15.09.2022

Product Name: Pilot Extra Fine Permanent Marker

(Contd. of page 3)

Vapour Pressure at 20 °C:	12 hPa (1-methoxypropan-2-ol)
Relative Density at 20 °C:	0.95 - 1.02
Vapour Density:	>1 (air = 1)
Evaporation Rate:	No information available
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity at 20 °C:	4 - 6 mPa·s

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition. Static discharge.

Incompatible Materials: Incompatible with bases.

Hazardous Decomposition Products:

Oxides of carbon, oxides of nitrogen, oxides of sulfur and unidentified, toxic organic compounds.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:

CAS: 107-98-2 1-Methoxypropan-2-ol

Oral	LD50	5,660 mg/kg (rat)
	LD50	13,000 mg/kg (rabbit)

Acute Health Effects

Inhalation: Exposure to ink vapours may cause respiratory irritation, drowsiness or dizziness.

Skin: May cause mild skin irritation.

Eye: May cause mild eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Based on classification principles, the classification criteria are not met.

Chromium(III) compounds are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Intention misuse by inhalation of very high vapour concentrations may cause CNS effects, kidney and liver damage.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 15.09.2022

Revision: 15.09.2022

Product Name: Pilot Extra Fine Permanent Marker

(Contd. of page 4)

Existing Conditions Aggravated by Exposure: No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

CAS: 107-98-2 1-Methoxypropan-2-ol

EC50/48 h	500 mg/l (daphnia magna)
EC50/72 h	1,000 mg/l (selenastrum capricornutum)
LC50/96 h	1,000 mg/l (rainbow trout)

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number ADG, IMDG, IATA	UN1993
Proper Shipping Name ADG, IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL)
Dangerous Goods Class ADG Class:	3
Packing Group: ADG, IMDG, IATA	III
Marine pollutant:	No
EMS Number:	F-E,S-E
Hazchem Code:	•3Y
Special Provisions:	223, 274
Excepted quantities (EQ):	E1
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Packagings & IBCs - Special Packing Provisions:	None
Portable Tanks & Bulk Containers - Instructions:	T4

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 15.09.2022

Revision: 15.09.2022

Product Name: Pilot Extra Fine Permanent Marker

(Contd. of page 5)

Portable Tanks & Bulk Containers - Special Provisions:

TP1, TP29

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All components are on the inventory, or in compliance with the inventory.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

16 Other Information

Date of Preparation or Last Revision: 15.09.2022**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 3: Flammable liquids – Category 3

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020".

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