

Print date: 18.04.2023

Revision date: 18.04.2023

## 1 Identification

**Product Name:** Pilot BegreeN V Board Master S Whiteboard Marker  
Pilot BegreeN V Board Master S Whiteboard Marker w/ Eraser  
Pilot BegreeN V Board Master S Refill

**Other Means of Identification:** Article

**Product Code:**

WBMA-VS-UF-B/R/L-BG  
WBMA-VS-EF-B/R/L BG  
WBMEMVS-EF-B/R/L-BG  
WBS-VS-B/R/L  
WMAM-B/L, WMA-R (mixture)

**Recommended Use of the Chemical and Restriction on Use:** Ink for writing instrument

**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:**

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.

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



Flame

Flammable Liquids 2 H225 Highly flammable liquid and vapour.



Eye Irritation 2A H319 Causes serious eye irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.

**Signal Word** Danger

**Hazard Statements**

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
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 label before use.  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.

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P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use CO <sub>2</sub> , 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/international regulations.

### 3 Composition and Information on Ingredients

#### Chemical Characterization: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Hazardous Components:

CAS: 64-17-5	Ethanol	30-80%
	⚠ Flammable Liquids 2, H225; ⚠ Eye Irritation 2A, H319	
CAS: 67-63-0	Isopropanol	4-40%
	⚠ Flammable Liquids 2, H225; ⚠ Eye Irritation 2A, H319; STOT SE 3, H336	
CAS: 1333-86-4	Carbon black	0-4%
	⚠ STOT RE 2, H373	
CAS: 71-23-8	1-Propanol	0-3%
	⚠ Flammable Liquids 2, H225; ⚠ Eye Damage 1, H318; ⚠ STOT SE 3, H336	

### 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 occurs and 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 immediate medical attention.

#### Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water to drink in small sips. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

#### Symptoms Caused by Exposure:

Inhalation: Intentional exposure to ink vapours may cause respiratory irritation.

Skin Contact: May cause skin irritation, swelling or redness.

Eye Contact: Causes serious eye irritation, potentially damaging if untreated.

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

## 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, oxides of nitrogen and oxides of sulfur. Product is highly flammable. Vapours can travel considerable distances and flashback to its point of generation if it meets a source of ignition.

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

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

HAZCHEM Code: •3YE

**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:**

Wear protective equipment. Keep unprotected persons away. Take care as spill may cause a slip hazard. Ensure adequate ventilation. 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. Take precautionary measures against static discharges. 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: 64-17-5 Ethanol**

WES TWA: 1880 mg/m<sup>3</sup>, 1000 ppm

**CAS: 67-63-0 Isopropanol**

WES STEL: 1230 mg/m<sup>3</sup>, 500 ppm  
TWA: 983 mg/m<sup>3</sup>, 400 ppm

**CAS: 1333-86-4 Carbon black**

WES TWA: 3 mg/m<sup>3</sup>

**CAS: 71-23-8 1-Propanol**

WES STEL: 614 mg/m<sup>3</sup>, 250 ppm  
TWA: 492 mg/m<sup>3</sup>, 200 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:

<b>Form:</b>	Liquid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Alcohol-like
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	78 °C (ethanol)
<b>Flash Point:</b>	14 °C (ethanol)
<b>Flammability (solid, gas):</b>	Not applicable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure at 20 °C:</b>	58.7 hPa (ethanol)
<b>Relative Density at 20 °C:</b>	0.81 - 0.84
<b>Vapour Density:</b>	1.6 (air = 1)
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Insoluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity at 20 °C:</b>	6 - 13 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:** Avoid heat, sparks, open flames and other sources of ignition. Static discharge.

**Incompatible Materials:** Strong oxidising agents and reducing agents.

**Hazardous Decomposition Products:** Oxides of carbon, oxides of nitrogen and oxides of sulfur.

## 11 Toxicological Information

### Toxicity:

#### LD50/LC50 Values:

#### CAS: 64-17-5 Ethanol

Oral	LD50	7,060 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50/4 h	20,000 mg/l (Rattus norvegicus (rat))

#### CAS: 67-63-0 Isopropanol

Oral	LD50	5,045 mg/kg (Rattus norvegicus (rat))
	LD50	12,800 mg/kg (Oryctolagus cuniculus (rabbit))
Inhalation	LC50/4 h	30 mg/l (Rattus norvegicus (rat))

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<b>CAS: 1333-86-4 Carbon black</b>		
Oral	LD50	>5,000 mg/kg (Rattus norvegicus (rat))
	LD50	>3,000 mg/kg (Oryctolagus cuniculus (rabbit))
<b>CAS: 71-23-8 1-Propanol</b>		
Oral	LD50	1,870 mg/kg (Rattus norvegicus (rat))
	LD50	5,040 mg/kg (Oryctolagus cuniculus (rabbit))

**Acute Health Effects****Inhalation:** Intentional exposure to ink vapours may cause respiratory irritation.**Skin:** May cause skin irritation, swelling or redness.**Eye:** Causes serious eye irritation, potentially damaging if untreated.**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:** Causes serious eye irritation.**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.

Carbon black is classified by IARC as Group 2B - Possibly carcinogenic to humans.

Isopropyl alcohol is 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:** No information available**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.

<b>CAS: 64-17-5 Ethanol</b>	
EC50/48 h	9,268-14,221 mg/l (Daphnia magna (water flea))
	>100 mg/l (Selenastrum capricornutum (green algae))
EC50/72 h	275 mg/l (Algae)
LC50/96 h	>100 mg/l (Pimephales promelas (fathead minnow))
	12-16 mg/l (Oncorhynchus mykiss (rainbow trout))
LC50/48 h	>100 mg/l (Leuciscus idus (orfe; ide))
<b>CAS: 67-63-0 Isopropanol</b>	
EC50/48 h	100 mg/l (Daphnia magna (water flea))
EC50/72 h	100 mg/l (Scenedesmus subspicatus (green algae))

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LC50/96 h	1,400 mg/l (Lepomis macrochirus (bluegill))
	9,640 mg/l (Pimephales promelas (fathead minnow))
LC50/48 h	8,970 mg/l (Leuciscus idus (orfe; ide))
<b>CAS: 1333-86-4 Carbon black</b>	
LC50/96 h	>1,000 mg/l (bra)

**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. (ETHANOL, ISOPROPANOL)

**Dangerous Goods Class**  
**ADG Class:** 3

**Packing Group:**  
**ADG, IMDG, IATA** II

**Marine pollutant:** No

**EMS Number:** F-E,S-E

**Hazchem Code:** •3YE

**Transport/Additional information:** The above mentioned information is for ink. Finished marker pen itself is not regarded as hazardous goods. Ink below 10 ml per pen is absorbed in polyester filter reservoir inside of the pen.

**Excepted quantities (EQ):** E2

**Limited Quantities:** 1L

## 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All ingredients are listed.

**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:** 18.04.2023

**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

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**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 2: Flammable liquids – Category 2  
Eye Damage 1: Serious eye damage/eye irritation – Category 1  
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

**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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