SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF MATERIAL AND SUPPLIER

SUPPLIER:	**Pilot Pen Australia Pty Ltd.**
ABN:	37 144 701 502.
OFFICE ADDRESS:	39 Enterprise Circuit, Prestons, NSW 2170, Australia.
POSTAL ADDRESS:	Locked Bag 7010, Liverpool, NSW 1871, Australia.
TELEPHONE:	1300 325 866.
AH EMERGENCY TELEPHONE:	13 1126 (24 Hours) – Australian National Poisons Centre.
WEB PAGE:	www.pilotpen.com.au.
Product Name:	**Pilot Pintor**
Product Range:	Product range of: SW-PT-EF-B/R/L/G/LG/BN/PO/Y/O/P/V/LB/W/PY/PG/PL/PV/PP. SW-PT-F-B/R/L/G/LG/BN/PO/Y/O/P/V/LB/W/PY/PG/PL/PV/PP. SW-PT-M-B/R/L/G/LG/BN/PO/Y/O/P/V/LB/W/PY/PG/PL/PV/PP. SW-PT-B-B/R/L/G/LG/BN/PO/Y/O/P/V/LB/W/PY/PG/PL/PV/PP.
Proper Shipping Name:	Not applicable.
Product Use:	Ink for writing instrument.
Manufacturer's Product Codes:	Stroke Width: • EF = Extra Fine Tip. • F = Fine Tip. • M = Medium Tip. • B = Broad Tip. Colours: • B = Black. • BN = Brown. • G = Green. • L = Blue. • LB = Light Blue. • LG = Light Green. • O = Orange. • P = Pink. • PG = Pastel Green. • PL = Pastel Blue • PO = Pale Orange. • PP = Pastel Pink. • PV = Pastel Violet. • PY = Pastel Yellow. • R = Red. • V = Violet. • W = White. • Y = Yellow.
Creation Date:	20 February 2020.
Revision Date:	Before 19 February 2025.

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SECTION 2 – HAZARDS IDENTIFICATION

This product is classified as a **NON-HAZARDOUS CHEMICAL** in accordance with the WHS and as **NON-HAZARDOUS** in accordance with the GHS, and as **NON-DANGEROUS GOODS** according to the ADG Code.

CLASSIFICATION:		
Hazardous Classes & Categories:	**Hazard Classes**	**Hazard Category**
Physical:	Not applicable.	
Health:	Not applicable.	
Environmental:	Not applicable.	
LABEL ELEMENTS:		
Signal Word:	Not applicable.	
Hazard Statements:	Not applicable.	
Precautionary Statements:		
Prevention:	Not applicable.	
Response:	Not applicable.	
Storage:	Not applicable.	
Disposal	Not applicable. Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.	
General:	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.	
Pictogram:	Not applicable.	
Pictogram Description:	Not applicable.	
Other Hazards which do not result in Classification:	Not applicable.	

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	**CAS Number:**	**Proportion:**	**Applicability:**
Titanium dioxide	**13463-67-7**	**14 - 20 % w/w**	**R/L/G/LG/BN/PO/Y/O/P/V/LB W/PY/PG/PL/PV/PP**
Carbon black	**1333-86-4**	**5.0 - 6.0 % w/w**	**B**
Phthalocyanine green	**1328-53-6**	**0.59 - 5.2 % w/w**	**G/LG/PG**
C.I. Pigment blue 15:3	**147-14-8**	**0.10 - 4.1 % w/w**	**L/LB/PL**
Ethylene glycol	**107-21-1**	**1.0 - 2.0 % w/w**	**B/P**
Silicon dioxide	**7631-86-9**	**1.0 - 2.0 % w/w**	**R/L/G/LG/BN/PO/Y/O/P/V/LB W/PY/PG/PL/PV/PP**
Total		**100 % w/w**	

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SECTION 4 – FIRST AID MEASURES

Scheduled Poisons:	Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. (Phone Australia 13 1126) or a doctor (at once).
First Aid Facilities Required:	Eye wash fountains and a general washing facility should be easily accessible in the immediate work area.
Inhalation:	Remove victim from exposure and to ventilated air - avoid becoming a casualty. Seek medical advice if necessary.
Skin Contact:	If skin contact occurs, wash skin with soap and water. Seek medical attention if irritation develops or persists.
Eye Contact:	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical attention if irritation develops or persists.
Ingestion (Swallowed):	Do not give anything by mouth to an unconscious person. Seek medical attention is symptoms develop.
Protection of First-aiders:	No special precautions are envisaged to be required.
Advice to Doctor:	Treat symptomatically. Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons.

SECTION 5 – FIRE FIGHTING MEASURES

Hazards from Combustion Products:	If this product is subject to combustion it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to In general fire, upon combustion, this product may emit Carbon monoxide (CO), Carbon dioxide (CO_2), Nitrogen oxides (NO_X), Sulfur oxides (SO_X), Chlorine compounds, and other possibly toxic gases and vapours.
Suitable Extinguishing Media:	Extinguish with water spray, or foam. Use Carbon dioxide (CO_2) or dry agent for small fires.
Unsuitable Extinguishing Media:	Not applicable.
Precautions for Fire Fighting:	Wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Minimise exposure. Do not breathe fumes. Contain run-off, prevent by any means available spillage from entering drains and water course.
Hazchem Code:	Not applicable.
AERGB:	Not applicable.
Flash Point:	Not applicable.
Flammability:	Not classified as combustible liquid. In general fire, upon combustion, this product may emit hazardous substances including but not limited to Carbon monoxide (CO), Carbon dioxide (CO_2), Nitrogen oxides (NO_X), Sulfur oxides (SO_X), Chlorine compounds, and other possibly toxic gases and vapours.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills:

Personal Precautions, Protective Equipment and Emergency Procedures:	In case of spill, isolate hazard area and deny entry. Product may represent a slip hazard. Wear protective clothing as described in Section 8 of this safety data sheet. Eye contact MUST be prevented by means of suitable personal protection equipment. See Section 8, Exposure Controls and Personal Protection for further information regarding personal protection. See Section 4, First Aid Measures, for further information. Eye and face protection: The use of face shields, chemical goggles, or safety glasses with side shield protection (meeting the requirements of AS/NZS 1337) is recommended. If exposed to dust or fume, wear dust-tight goggles (meeting the requirements of AS/NZS 1337). Skin protection: Hand protection: Chemical resistant gloves should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Gloves should be removed and replaced immediately if there is any indication of degradation. Rinse and remove gloves immediately after use. Wash hands with soap and water. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Clothing: Suitable protective clothing complying with AS 4501, suitable chemical resistant footwear complying with AS/NZS 2210 is recommended. Respiratory protective equipment: No special precautions are envisaged to be required. However, if the product is spilled in case of inadequate ventilation or if exposure standards are exceeded then use a full face air purifying respirator (with Class A filter for organic vapours boiling above 65°C) meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
Environmental Precautions:	Do not allow to enter drainage system, surface or ground water. In the event of product entering waters or drainage system, or polluting soil or plants contact the Environmental Protection Authority or your local Waste Management Authority.
Methods & Materials for Containment & Cleaning up:	
Small Spills:	Absorb spill with material (cloth or paper), then place in chemical waste containers. The wasted material can be disposed of by incineration (preferably high temperature) by an approved agent according to State, Territory and/or Local government regulations.
Large Spills:	Absorb spill with material (cloth or paper), then place in chemical waste containers. The wasted material can be disposed of by incineration (preferably high temperature) by an approved agent according to State, Territory and/or Local government regulations.

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SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling:	For personal protection see section 8. Recommend washing hands after use. Avoid spills. No special precautions are envisaged to be required.
Information about Fire and Explosion Protection:	Refer to State Regulations for storage and transport requirements.
Conditions for Safe Storage, including any Incompatibilities:	Store in a cool (at temperatures below 25°C), dry, well-ventilated place and out of direct sunlight. Keep containers closed when not in use - check regularly for leaks.
Further Information about Storage Conditions:	Not applicable.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Control Measures:	Ensure the use of individual protection measures Including Personal Protective Equipment (PPE).
Exposure Standards:	National Occupational Exposure Limits, as published by Safework Australia: **Time-weighted Average (TWA):** None established for product. TWA for Carbon Black is 3 mg/m^3. TWA for Ethylene Glycol as vapour is 20 ppm, 52 mg/m^3 (via inhalation only, for skin absorption see below). TWA for Ethylene Glycol as particulate is 10 mg/m^3 (via inhalation only, for skin absorption see below). TWA for Fumed Silica is 2 mg/m^3, (this value is for respirable dust). TWA for Titanium Dioxide is 10 mg/m^3 (this value is for inhalable dust containing no asbestos and < 1% crystalline silica). **Short Term Exposure Limit (STEL):** None established for product. STEL for Ethylene Glycol as vapour is 40 ppm, 104 mg/m^3 (via inhalation only, for skin absorption see below). These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. The adopted Occupational Exposure Standards listed only consider absorption via inhalation, and are valid only on the condition that significant skin absorption cannot occur.
Biological Monitoring:	Safe Work Australia have not published any Biological Limits for ingredients of this product.
Engineering Controls:	Not required in normal use.
Individual Protection Measures Including Personal Protective Equipment (PPE):	General protective & hygiene measures: Not required in normal use. Eye and face protection: The use of face shields, chemical goggles, or safety glasses with side shield protection (meeting the requirements of AS/NZS 1337) is recommended. If exposed to dust or fume, wear dust-tight goggles (meeting the requirements of AS/NZS 1337).

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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONTINUED)

Individual Protection Measures Including Personal Protective Equipment (PPE):	Skin protection: Hand protection: Chemical resistant gloves should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Gloves should be removed and replaced immediately if there is any indication of degradation. Rinse and remove gloves immediately after use. Wash hands with soap and water. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Clothing: Suitable protective clothing complying with AS 4501, suitable chemical resistant footwear complying with AS/NZS 2210 is recommended. Respiratory protective equipment: No special precautions are envisaged to be required. No adverse respiratory exposure anticipated under normal use. However, if the product is spilled in case of inadequate ventilation or if exposure standards are exceeded then use a full face air purifying respirator (with Class A filter for organic vapours boiling above 65°C) meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description/ Properties:	
Appearance:	Coloured low viscosity liquid (Black, Blue, Brown, Green, Light Blue, Light Green, Orange, Pale Orange, Pastel Blue, Pastel Green, Pastel Pink, Pastel Violet, Pastel Yellow, Pink, Red, Violet, White, Yellow).
Odour:	Slight characteristic odour
Odour Threshold:	Not applicable.
pH:	7.1 - 9.0.
Melting Point/ Freezing Point:	Ca. 100°C.
Initial Boiling Point/ Boiling Range:	Not applicable.
Flashpoint:	Boils without flashing.
Evaporation Rate:	Not applicable.
Flammability (solid, gas):	Not available.
Upper/Lower Flammability or Explosive Limits:	Not available.
Vapour Pressure:	Not available.
Vapour Density:	Not applicable.
Relative Density:	Not applicable.
Solubility:	Soluble in water.
Partition coefficient: n-octanol/water:	Not applicable.
Auto-ignition Temperature:	Not applicable.
Decomposition Temperature:	Not applicable.
Viscosity:	9 - 18 mPa·s @ 20°C.

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SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No reactivity hazards are known for the material.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	No known hazardous reactions.
Conditions to Avoid:	Not applicable.
Incompatible Materials:	Not applicable.
Hazardous Decomposition Products:	None anticipated under normal or recommended handling, storage, and use conditions. If this product is subject to combustion it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to Carbon monoxide (CO), Carbon dioxide (CO_2), Nitrogen oxides (NO_X), Sulfur oxides (SO_X), Chlorine compounds, and other possibly toxic gases and vapours.

SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects:	No data for product, following data is compiled on basis of ingredients.
Acute Toxicity Data (Oral):	No data for product. On basis of ingredients: Acute Toxicity for Carbon Black (Oral) LD_{50} (rat) > 15,400 mg/kg. Acute Toxicity for Ethylene Glycol, (Oral) LD_{50} (rat) 4,700 mg/kg. Acute Toxicity for Ethylene Glycol, (Oral) LDL_0 (human) 398 mg/kg. Acute Toxicity for Ethylene Glycol, (Oral) TDL_0 (human) 1,195 mg/kg. Acute Toxicity for Phthalocyanine Green, (Oral) LD_{50} (rat) > 10,000 mg/kg. Acute Toxicity for Pigment Blue 15:3, (Oral) LD_{50} (rat) > 15,000 mg/kg.
Acute Toxicity Data (Dermal):	No data for product. On basis of ingredients: Acute Toxicity for Carbon Black (Dermal) LD_{50} (rabbit) > 3,000 mg/kg. Acute Toxicity for Ethylene Glycol, (Dermal) LD_{50} (rabbit) 9.53 mL/kg.
Acute Toxicity Data (Inhalation):	No data for product. On basis of ingredients: Acute Toxicity for Ethylene Glycol, (Inhalation) LC (rat) > 200 mg/m^3/4 hours; LDL_0 (human) 10,000 mg/m^3.
Chronic Toxicity Data:	No data for product.
Skin Corrosion Irritation:	Product is not classified as Skin Corrosion/Irritation. No data for product.
Serious Eye Damage/Irritation:	Product is not classified as Serious Eye Damage/Irritation. No data for product.
Respiratory or Skin Sensitisation:	Product is not classified as a Respiratory or Skin Sensitiser. No data for product.
Germ Cell Mutagenicity:	Product is not classified as a Germ Cell Mutagen. No data for product.
Carcinogenicity:	Product is not classified as a Carcinogen.
Reproductive Toxicity:	Product is not classified as Toxic to Reproduction.
Specific Target Organ Toxicity (STOT) – Single Exposure:	Product is not classified as Specific Target Organ Toxicity (Single Exposure).
Specific Target Organ Toxicity (STOT) – Repeated Exposure:	Product is not classified as Specific Target Organ Toxicity (Repeated Exposure).
Aspiration Hazard:	Product is not classified as Aspiration Hazard.
Information on Possible Routes of Exposure:	Inhalation is the primary route of exposure although absorption may occur through skin contact or following accidental ingestion.
Ingestion (Swallowing):	Not to be ingested. Ingestion of product may cause upset stomach.
Eye Contact:	Ink contact with eye may be mildly irritating.
Skin Contact:	Ink contact with skin may cause irritation, swelling, or redness. It is not expected to cause an allergic skin reaction.
Inhalation:	Intentional exposure to ink vapours may cause respiratory irritation.

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SECTION 11 – TOXICOLOGICAL INFORMATION (CONTINUED)

Other Health Effects: Not applicable.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: This product is not classified as Hazardous to the aquatic environment (according to GHS) and is not classified as Environmentally hazardous substance (according to the ADG Code).

Fish Toxicity: No data for product. On basis of ingredients:
Acute Toxicity for Carbon Black, LC_0 1000 mg/L (Zebra fish, Danio rerio, semi-static test, 96 hours).
Acute Toxicity for Ethylene Glycol, LC_{50} 72,860 mg/L (Fathead minnow, Pimephales promelas, static test, 96 hours).
Acute Toxicity for Phthalocyanine green, LC_{50} > 100 mg/L (Zebra fish, Danio rerio, static test, 96 hours).
Acute Toxicity for Pigment Blue 15:3, LC_{50} > 100 mg/L (Zebra fish, Danio rerio, static test, 96 hours).
Acute Toxicity for Titanium Dioxide, LC_{50} > 10,000 mg/L (Sheepshead minnow, Cyprinodon variegatus, semi-static test, 96 hours).

Invertebrates Toxicity: No data for product. On basis of ingredients:
Acute Toxicity for Carbon Black, EC_{50} > 5,600 mg/L, NOEC 3,200 mg/L (Water flea, Daphnia magna, static test, 24 hours).
Acute Toxicity for Ethylene Glycol, EC_{50} > 100 mg/L (Water flea, Daphnia magna, 48 hours).
Acute Toxicity for Phthalocyanine green, EC_{50} > 500 mg/L (Water flea, Daphnia magna, 48 hours, static); EC_{50} > 500 mg/L (Water flea, Daphnia magna, static test, 24 hours).
Acute Toxicity for Pigment Blue 15:3, EC_{50} > 500 mg/L (Water flea, Daphnia magna, static test, 48 hours); EC_{50} > 500 mg/L (Water flea, Daphnia magna, static test, 24 hours).
Acute Toxicity for Titanium Dioxide, EC_{50} 7.9 mg/L (Water flea, Daphnia magna, static test, 96 hours).

Algae Toxicity: No data for product. On basis of ingredients:
Acute Toxicity for Carbon Black, ErC_{50} > 10,000 mg/L, NOEC > 10,000 mg/L Freshwater Algae, Desmodesmus Subspicatus, static test, growth rate inhibition, 72 hours).
Acute Toxicity for Ethylene Glycol, EC_{50} 6,500-13,000 mg/L (Freshwater Algae, Pseudokirchnerella subcapitata, 96 hours).
Acute Toxicity for Phthalocyanine green, ErC_{50} > 100 mg/L (Freshwater Algae, Desmodesmus Subspicatus, growth rate inhibition, 72 hours).
Acute Toxicity for Pigment Blue 15:3, ErC_{50} > 100 mg/L (Freshwater Algae, Desmodesmus Subspicatus, growth rate inhibition, 72 hours).
Acute Toxicity for Titanium Dioxide, ErC_{50} 27 mg/L (Freshwater Algae, Pseudokirchneriella subcapitata, static test, cell number, 72 hours).

Toxicity to Microorganisms: No data for product.

Persistence & Degradability: No data for product.

Bio-accumulative potential: There is no evidence to suggest bioaccumulation will occur.

Mobility in Soil: No data for product. Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects. Product is soluble in water.

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SECTION 12 – ECOLOGICAL INFORMATION (CONTINUED)

Other Adverse Effects:	No data for product.
General:	DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Product is soluble in water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal methods:	
Product:	This product, as supplied, is not classified as a Workplace Hazardous Chemical, based upon knowledge of its ingredients. When all ink has been consumed in writing instrument the writing instrument may be disposed of as normal household waste. However, in bulk form, waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority, according to State, Territory and/or Local government regulations, pertinent authorities and adhering to the necessary technical regulations. Do not allow runoff to sewer, waterway or ground. Incinerate with adequate scrubbing and ash disposal
Individual Protection Measures:	Refer to Individual Protection Measures Including Personal Protective Equipment (PPE) in Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION.
Uncleaned Packaging:	Recommended to be disposed of according to official regulations.
Behaviour in Sewage Processing Plants:	No data for product.

SECTION 14 – TRANSPORT INFORMATION

Road & Rail Transport:	This material is **not classified** as DANGEROUS GOODS, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).
UN Number:	Not applicable.
UN Proper Shipping Name or Technical Name:	Not applicable.
ADG Class:	Not applicable.
Packing Group:	Not applicable.
HAZCHEM Code:	Not applicable.
AERGB:	Not applicable.
Marine Transport:	This material is **not classified** as DANGEROUS GOODS and is **not classified** as a MARINE POLLUTANT by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN Number:	Not applicable.
UN Proper Shipping Name or Technical Name:	Not applicable.
IMDG Class:	Not applicable.
Packing Group:	Not applicable.

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SECTION 14 – TRANSPORT INFORMATION (CONTINUED)

Air Transport:	This material is **not classified** as DANGEROUS GOODS, by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN Number:	Not applicable.
UN Proper Shipping Name or Technical Name:	Not applicable.
IATA Class:	Not applicable.
Packing Group:	Not applicable.
Class Label:	Not applicable.

SECTION 15 – REGULATORY INFORMATION

Australian Standards:	AS/NZS 1337.1:2010: Personal eye protection - Eye and face protectors for occupational applications. AS/NZS 1715:2009: Selection, use and maintenance of respiratory protective equipment. AS/NZS 1716:2012: Respiratory protective devices. AS/NZS 2161.1:2000: Occupational protective gloves: Selection, use and maintenance. AS/NZS 2161.2:2005: Occupational protective gloves: General requirements. AS/NZS 2161.10.1:2005: Occupational protective gloves: Protective gloves against chemicals and micro-organisms —Terminology and performance requirements. AS/NZS 2161.10.2:2005: Occupational protective gloves: Protective gloves against chemicals and micro-organisms—Determination of resistance to penetration. AS/NZS 2161.10.3:2005: Occupational protective gloves: Protective gloves against chemicals and micro-organisms—Determination of resistance to permeation by chemicals. AS/NZS 2210.1:2010: Safety, protective and occupational footwear - Guide to selection, care and use. AS/NZS 2210.2:2009: Occupational protective footwear - Test methods (ISO 20344:2004, MOD). AS/NZS 2210.4:2009: Occupational protective footwear - Specification for protective footwear (ISO 20346:2004, MOD). AS/NZS 4501.1:2008: Occupational protective clothing - Guidelines on the selection, use, care and maintenance of protective clothing. AS/NZS 4501.2:2006: Occupational protective clothing - General requirements.
NICNAS:	All ingredients present on AICS.
SUSMP:	No Poisons Schedule allocated.

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SECTION 16 – OTHER INFORMATION

Acronyms and Comments:

ACGIH:	American Conference of Industrial Hygienists.
ADG Code:	Australian Code for the Transport of Dangerous Goods by Road and Rail.
AERGB:	Australian Emergency Response Guide Book (2018).
AICS:	Australian Inventory of Chemical Substances.
AS:	Standards issued by Standards Australia, GPO Box 476, Sydney NSW 2001, Australia.
AS/NZ:	Standards issued by Standards Australia, GPO Box 476, Sydney NSW 2001, Australia and Standards New Zealand, Private Bag 2439 Wellington 6140, New Zealand.
ATE:	Acute Toxicity Estimate according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
BEI:	Biological Exposure Indices published by the Conference of Governmental Industrial Hygienists (ACGIH), 1330 Kemper Meadow Drive, Cincinnati, OH 45240-4148, USA.
CAS Number:	Chemical Abstracts Service Registry Number.
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals, a globally harmonized system for classification and labelling of chemicals proposed by the United Nations.
HAZCHEM:	An emergency action code of numbers and letters which gives information to emergency services.
IARC:	International Agency for Research on Cancer.
IMDG:	International Maritime Dangerous Goods Code for transport by sea.
LC/LD:	The median lethal dose, LD_{50} (abbreviation for "lethal dose, 50%"), LC_{50} (lethal concentration, 50%) is the dose required to kill half the members of a tested population after a specified test duration. LD_{50} figures are frequently used as a general indicator of a substance's acute toxicity.
NICNAS:	National Industrial Chemicals Notification and Assessment Scheme.
NOEC:	No-Observed-Effect-Concentration. The highest concentration of toxicant to which organisms are exposed in a full life-cycle or partial life-cycle (short-term) test, that causes no observable adverse effects on the test organisms (i.e., the highest concentration of toxicant in which the values for the observed responses are not statistically significantly different from the controls).
NOEL:	No-Observable-Effect-Level. It is the greatest concentration or amount of a substance, found by experiment or observation, that causes no alterations of morphology, functional capacity, growth, development, or life span of target organisms distinguishable from those observed in normal (control) organisms of the same species and strain under the same defined conditions of exposure.
NTP:	National Toxicology Program (USA Department of Health and Human Services).
OSHA:	Occupational Safety and Health Administration (USA).
PPE:	Personal Protective Equipment.
Safe Work Australia:	Safe Work Australia was formerly the Australian Safety and Compensation Council, which included the National Occupational Health and Safety Commission (NOHSC).
SDS:	Safety Data Sheet.

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SECTION 16 – OTHER INFORMATION (CONTINUED)

STEL:	Exposure standard - short term exposure limit, a 15-minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.
SUSMP:	Standard for the Uniform Scheduling of Medicines and Poisons.
TDL_0:	Total Dose Low means the smallest deadly dose, which caused a toxic or other harmful effect after application on humans or animal.
TWA:	Exposure standard - time-weighted average, the average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day working week.
UK HSE:	United Kingdom Health and Safety Executive.
UN Number:	United Nations Number.
WHS:	Model work health and safety legislation introduced by the Australian government which consists of an integrated package of a model Work Health and Safety (WHS) Act, supported by model Work Health and Safety (WHS) Regulations, model Codes of Practice and a National Compliance and Enforcement Policy. The WHS Regulations implement a new system of chemical hazard classification, labelling and safety data sheet requirements based on the GHS.
Issue Date:	20 February 2020.
Supersedes Issue Date:	Not applicable.
Revision Information:	New issue.
Contact Point:	Customer Service.
Telephone:	1300 325 866.
Note:	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
Disclaimer:	This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since Pilot Pen Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. This SDS does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.