

MATERIAL SAFETY DATA SHEET

Pre-Filled HISTOPOTS

STATEMENT OF HAZARDOUS NATURE: -

Hazardous according to criteria of Worksafe Australia. Harmful/Irritant.

COMPANY DETAILS

Company:	Australian Biostain P/L
Address:	Lot 14 Rocla Rd. TRARALGON.VIC.3844.
Postal address:	P.O.Box 1407. TRARALGON.VIC.3844.
Telephone number:	(03) 5176 2855 (Business hours) (03) 5166 1429 (After hours)

IDENTIFICATION

Product Name: -	“Histo-pots” Reg.TM Australian Biostain P/L.
Other Names:	Pre-filled specimen or Biopsy Pots or Jars Containing 4% Formaldehyde buffered; or 4% Formaldehyde Saline.
Manufacturer’s Code:	AHP code series (followed by colour code, specific client code if any and pack size)
U.N.Number:	None assigned.
Dangerous Goods Class:	None assigned.
Subsidiary Risk:	None assigned.
Hazchem Code:	None assigned.
Poisons Schedule Number:	Not Scheduled because is <5% Formaldehyde acc. SUSDP.
Intended use:	As a Tissue Preservative for Biopsy and Necropsy Material intended for Histology or Mounting.

Physical Description/Properties
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Appearance:	Normally a colourless clear liquid with a pungent characteristic odour. May be coloured with indicators to show pH changes upon storage of tissue.
Boiling Point:	98°C
Melting Point:	Not applicable.
Vapour Pressure:	Not available.
Specific Gravity:	1.02
Flash Point:	Not applicable.
Flammability Limits:	No Data.
Solubility in Water:	Miscible to all Proportions.

Other Properties: -

pH:	6.8-7.2
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Ingredients: -

Chemical Entity	CAS No.	Proportion
Formaldehyde	500-00-0	4% w/v
Methanol	67-56-1	<0.5%
Sodium Dihydrogen Orthphosphate Anhydrous	7558-80-7	<1%
Di-Sodium hydrogen Orthophosphate Anhydrous	7558-79-4	<1%
Water	7732-18-5	Remainder

HEALTH HAZARD INFORMATION

Health Effects: -

Acute: -

Swallowed: Moderately Toxic.
May cause irritation to mouth, throat and stomach.

Eye: May cause conjunctivitis, corneal burns and ulceration.
High concentrations of vapours will cause irritation.

Skin: Corrosive to skin- may cause skin burns.
Prolonged or repeated exposure may cause skin sensitisation.

Inhaled: Toxic by inhalation.

Chronic Effects: -

Repeated or prolonged skin contact can cause sensitisation.
Evidence available indicates that this product is an animal carcinogen and therefore should be considered as a potential human carcinogen.
Evidence from animal tests indicates that repeated or prolonged exposure to this chemical could result in reproductive system disorders.

First Aid

Swallowed: Rinse mouth thoroughly with water immediately.
Give plenty of water to drink.
Seek medical attention.

Eye: Immediately irrigate with copious quantities of water for at least 15 minutes.
Eyelids to be held open while irrigating.
Seek medical attention.

Skin: Wash affected areas with copious quantities of water immediately.
Remove contaminated clothing and wash before re-use.
Seek medical attention.

Inhaled: Remove victim to fresh air.
Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.
If breathing stops, administer Cardio-Pulmonary Resuscitation until assistance arrives.
Seek medical attention for all but the most minor symptoms.

First Aid Facilities: - To include an eye wash station and a safety shower. The work area should be as close as possible to these facilities.

Advice to Doctor: - Take this Material Safety Data Sheet and give to Medical Officer.
Contact Poisons Information Centre.

PRECAUTIONS FOR USE

Exposure Standards:

Formaldehyde	TWA = 1 ppm (1.2 mg/m ³)
	STEL = 2 ppm (2.5 mg/m ³)
Methanol	TWA = 200 ppm (262mg/m ³)
	STEL = 250 ppm (328mg/m ³)

Engineering Controls:

Use in a well ventilated area only. Mechanical ventilation is recommended.
Maintain concentration of vapours below recommended exposure limits.

Personal Protection:

Safety Glasses, Rubber gloves, Rubber or plastic full length apron.
Breathing apparatus in the absence of adequate ventilation.

Flammability:

Non flammable, however vapours may assist combustion.

SAFE HANDLING INFORMATION

Storage and Transport:

Store in a well ventilated area.
Store in a cool place out of direct sunlight.

Spills and Disposal:

Wear appropriate clothing.
Inform others to keep at a safe distance.

Small spills- Sprinkle surface with Sodium Metabisulphite Powder then mop up with plenty of water and if local regulations allow, run to waste with a large quantity of water. Otherwise absorb onto an inert material such as paper towelling, sawdust or vermiculite, transfer to a sealable container and arrange for removal by an approved Disposal Company. Ventilate the area to dispel vapours.

Large spills- Contain spill with sand or earth. Keep run off out of drains and sewers. Ventilate area- work up wind. Arrange for removal by an approved Disposal Company. Advise local Regulatory Bodies.

FIRE EXPLOSION HAZARD

Use water spray, fog spray, dry powder.

Reactivity Data:

Miscible with water in all proportions.

Avoid contact with acids- particularly Hydrochloric Acid or Spirits of Salts as these will react to form a Carcinogenic compound.

Avoid contact with oxidisers.

Other substances to be avoided include: - polymerisation initiators, alkali metals, nitrogen oxides, hydrogen peroxides, performic acid, organic nitro compounds/bases- can react with nitromethane in the presence of bases to give products which explode in air.

OTHER INFORMATION

We make the following workplace recommendations: -

That the Product and its working solutions be stored and used in such a way that any spills or leakages that occur are automatically contained and ventilated eg. Within an approved Fume Cupboard with raised lip and or a sink.

That a sealed 5 or 10 litre bucket filled with 50/50 Sodium metabisulphite and sawdust be sited close to the area of use, to treat any spills. Sodium Metabisulphite is readily available from local Home Brewing suppliers- replace bucket contents at least once a year.

CONTACT POINT: Mike Rentsch Australian Biostain P/L Ph.03 51762855