

Blades Biological Ltd

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Odourless Preservative

Propylene Phenoxetol

Properties:-

Appearance - A colourless liquid or partial solid with a faintly aromatic odour.

Molecular weight - 152.2

Freezing Point - 17.0 - 18.5°C

Wt. per ml at 20°C - 1.059 - 1.063g

Solubility - Soluble at 20°C in 100 parts water. Miscible with alcohol, ether, propylene glycol and arachis oil. Insoluble in mineral oil. Aqueous solutions should be prepared by heating with stirring and then cooling before use.

Propylene Phenoxetol is now being used to replace Formalin in the preservation of animal tissue and whole specimens. It is much less unpleasant and dangerous to work with than Formalin: it has very little smell and won't irritate the skin or throat. Propylene Phenoxetol also evaporates less quickly than alcohol and is less flammable.

To prepare for use, the Propylene Phenoxetol should be stirred into hot water (90°C) to make a 1% solution. Cool before use. For best results, specimens should be fixed in Formalin and then washed before immersing in the Propylene Phenoxetol.

Once made into this 1% solution, the Propylene Phenoxetol is colourless, almost odourless and nonvolatile. Specimens preserved in this way keep their colour well and the tissues remain soft and flexible, ideal for dissection.

Supplied as a concentrate in 100ml or 1 litre bottles.

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PROPYLENE PHENOXETOL - Material Safety Data Sheet

Emergency first aid procedure:

SKIN CONTACT - wash immediately with plenty of soap and water.

EYE CONTACT - rinse immediately with plenty of water and seek medical advice.

INHALATION - remove to fresh air and seek medical advice.

INGESTION - seek medical advice

Handling Precautions:

Normal good industrial practice with regard to house keeping, personal hygiene and avoidance of eye and skin contact is indicated.

Avoid breathing fumes if material is heated.

Storage:

Store in original container under normal indoor storage conditions; no special precautions appear necessary. The material may solidify at low temperatures.

Disposal:

Contain spillage with sand or earth. Where possible, hose away using detergent and water. Absorb large spillages on to a suitable absorbent solid and remove for approved burial or incineration.

Fire Hazard: Very slight fire risk. Flash point 121°C [open].

Explosion hazard: None.

Toxic hazard: Slightly harmful by ingestion. Produces local anaesthetic effect on lips, tongue and other mucous membranes. Pure material is moderately irritant to skin and eyes.