

Australian Supplier

In Vitro Technologies Pty. Ltd.
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Emergency information: Poisons Info. Centre: 131126

MATERIAL SAFETY DATA SHEET

PARA-TISSUER AND FRO-TISSUER PEN

1. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Percent*	Exposure Limits in Air (give units)
ETHYL ALCOHOL	64-17-5	92.5%	
POLYMAR		7.5%	

FOR PARA-TISSUER: 100%

ETHYL ALCOHOL	42.5%
1-BUTANOL	40.0%
POLYMAR	7.5%

FOR FRO-TISSUER: 100%

2. PHYSICAL PROPERTIES

Vapour density (air = 1):	0.8	Melting point of range, °F:	N/A
Specific gravity:	0.87	Boiling point or range, °F:	
Solubility in water:		Evaporation rate (butyl acetate = 1):	80
Vapour pressure mmHg at 20°C:	29mmHg		
Appearance and odour:	No colour and transparent		

HOW TO DETECT THIS SUBSTANCE* (warning properties of substance as a gas, vapour, dust or mist)

* Not a required category

3. **FIRE & EXPLOSION**

Flash point, °F (give method): 45°C

Auto ignition temperature: 250°C

Flammable limits in air, volume %: Lower (LEL): 1.7% Upper (UEL): .12%

Fire extinguishing materials:

water spray carbon dioxide other

foam dry chemical

Special firefighting procedures:

Unusual fire and explosions hazards:

4. **HEALTH HAZARD INFORMATION**

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure

Inhaled:

Contact with skin or eyes: In case of contact with the skin, wash thoroughly with soap and water, this liquid is extremely irritating to the eyes, flush with plenty of water and seek medical attention.

Absorbed through the skin:

Swallowed:

HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute: In case of contact with the skin, wash thoroughly with soap and water, this liquid is extremely irritating to the eyes, flush with plenty of water and seek medical attention.

Chronic:

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Flush with plenty of water and seek medical help

Skin Contact: Wash thoroughly with soap and water

Inhaled:

Swallowed: Vomit and seek medical help.

SUSPECT CANCER AGENT?

_____ NO: This product's ingredients are not found in the lists below.

YES: _____ Federal OSHA _____ NTP _____ IARC

California employers using Cal/OSHA - regulated carcinogens must register with Cal/OSHA and Federal OSHA carcinogen lists are similar.

MEDICAL: CONDITIONS AGGRAVATED BY EXPOSURE

5. **REACTIVITY DATA**

Stability: _____ Stable _____ Unstable

Conditions to avoid:

Incompatibility (materials to avoid):

Hazardous decomposition products (including combustion products):

Hazardous polymerization: _____ May occur _____ Will not occur

Conditions to avoid:

6. **SPILL, LEAK AND DISPOSAL PROCEDURES**

Spill response procedures (include employee protection measures):

In case of excessing the liquid as spill or leak from the pen, soak up liquid with cotton.

Preparing wastes for disposal (container types, neutralisation, etc):

Use in well ventilated area and keep from heat and open flame.

Note: Dispose of all wastes in accordance with federal state and local regulations.

7. **SPECIAL HANDLING INFORMATION**

Ventilation and engineering controls:

Use in well ventilated area and keep from heat and open flame.

Respiratory protection (type):

Normally not required.

Eye Protection (type):

Normally not required

Gloves (specify material):

Normally not required

Other clothing and equipment:

Normally not required

Work practices, hygienic practices:

Normally not required

Other handling and storage requirements:

Normally not required

Protective measures during maintenance of contaminated equipment:

Normal handling is acceptable. This type of liquid is to be used by well experienced technicians.
Storage: at room temperature. Keep from small children.

The information contained in this Material Safety Data Sheet is supplied by the manufacturers, it is believed to be correct but does not purport to be all inclusive. The Binding Site will not be held liable for any damage resulting from handling or from contact with the above product.