

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### CYTOFIXX (CYTOLOGICAL FIXATIVE)

Revision 0

Revision date 2011-05-20

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	CYTOFIXX (CYTOLOGICAL FIXATIVE)
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##### 1.3. Details of the supplier of the safety data sheet

Company	CellPath Ltd
Address	80 Mochdre Enterprise Park, Newtown, Powys, SY16 4LE, UK
Web	www.cellpath.co.uk
Telephone	+44 (0) 1686 611333
Fax	+44 (0) 1686 622946
Email	sales@cellpath.co.uk

##### 1.4. Emergency telephone number

Emergency telephone number	+44 (0) 7803 746 135
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	F; R11 Xn; R20/21/22-68/20/21/22 Symbols: F: Highly flammable. Xn: Harmful.
Main hazards	Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethanol	603-002-00-5	64-17-5	200-578-6		90 - 100%	F; R11
Methanol	603-001-00-X	67-56-1	200-659-6		1 - 10%	F; R11 T; R23/24/25-39/23/24/25

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Seek medical attention.
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## 4.1. Description of first aid measures

Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Harmful in contact with skin. Remove the affected person from the source of contamination immediately. Wash off immediately with plenty of soap and water. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water. Seek medical attention.
Ingestion	Harmful if swallowed. Ingestion may cause nausea and vomiting. DO NOT INDUCE VOMITING. Seek medical attention.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam. Alcohol resistant foam. Sand.
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## 5.2. Special hazards arising from the substance or mixture

	Highly flammable. Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing. Cool fire exposed containers with waterspray.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Use explosion proof equipment. Keep away from sources of ignition - No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing. In case of insufficient ventilation, wear suitable respiratory equipment.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Do not store with oxidisers. Keep away from sources of ignition - No smoking.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values




Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: -
Methanol	WEL 8-hr limit ppm: 200 WEL 15 min limit ppm: 250	WEL 8-hr limit mg/m3: 266 WEL 15 min limit mg/m3: 333

## 8.2. Exposure controls

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## 8.2. Exposure controls

	  
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area. Provide eye wash station.
8.2.2. Individual protection measures	Wear chemical protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC). Nitrile rubber gloves. Butyl rubber gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Alcoholic/Strong
Flash point	13 °C
Relative density	0.789 (Water = 1 @ 20 °C)
Autoignition temperature	365 °C
Solubility	Soluble in water

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	Oxidising agents.
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## 10.4. Conditions to avoid

	Heat, sparks and open flames. Direct sunlight.
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## 10.5. Incompatible materials

	Acids. Oxidising agents.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## SECTION 11: Toxicological information

## 11.1.4. Toxicological Information

INDUSTRIAL DENATURED ALCOHOL (95%)	Oral Rat LD50 = 7060 (for ethanol)
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## SECTION 12: Ecological information

## 12.1. Toxicity

INDUSTRIAL DENATURED ALCOHOL (95%)	Daphnia EC50/48h = 9000 (for ethanol) mg/l	Algae IC50/72h = 5000 (for ethanol) mg/l
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## 12.2. Persistence and degradability

	Readily biodegradable.
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## 12.3. Bioaccumulative potential

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## 12.3. Bioaccumulative potential

No data is available on this product.

## 12.4. Mobility in soil

Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

## General information

Dispose of in compliance with all local and national regulations.

## SECTION 14: Transport information

## Hazard pictograms

## Hazard pictograms



## 14.1. UN number

UN1987

## 14.2. UN proper shipping name

## Proper Shipping Name

ALCOHOLS, N.O.S. (ETHANOL METHANOL MIXTURE)

## 14.3. Transport hazard class(es)

## ADR/RID

3

## Subsidiary risk

-

## IMDG

3

## Subsidiary risk

-

## IATA

3

## Subsidiary risk

-

## 14.4. Packing group

## Packing group

III

## 14.5. Environmental hazards

## Environmental hazards

No

## Marine pollutant

No

## ADR/RID

## Hazard ID

30

## Tunnel Category

D/E

## IMDG

## EmS Code

F-E S-D

## IATA

## Packing Instruction (Cargo)

366

## Maximum quantity

220 L

Packing Instruction  
(Passenger)

355

## Maximum quantity

60 L

## SECTION 15: Regulatory information



## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
Labelling	
Symbols	<p>The product is classified in accordance with 67/548/EEC.</p> <p>F: Highly flammable. Xn: Harmful.</p> <div>   </div>
Risk phrases	<p>R11 - Highly flammable.</p> <p>R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R68/20/21/22 - Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.</p>
Safety phrases	<p>S16 - Keep away from sources of ignition - No smoking.</p> <p>S36/37 - Wear suitable protective clothing and gloves.</p>
Precautionary Phrases	P15 - Restricted to professional users.
<b>SECTION 16: Other information</b>	
Other information	
Text of risk phrases in Section 3	<p>R11 - Highly flammable.</p> <p>R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.</p> <p>R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</p>
Further information	
	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>