

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

age 1/5

# 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
Product name	CYTOFIXX (CYTOLOGICAL FIXATI)

#### 1.3. Details of the supplier of the safety data sheet

CellPath Ltd

Address 80 Mochdre F

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

## 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	Conc. (%w/w)	Classification
				Number		
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

Inha	lation	

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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Rins   Immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.			Revision date	2011-05-2
Skin contact  Harmful in contact with skin. Ramove the affected person from the source of contamination immediately. Wast oil ammediately with printy of sasp and vater. After contact with skin, take off immediately all contaminated clothing, and wesh immediately with plenty of soap and water. Seek medical attention.  Harmful if soallowed, ingestion may cause nauses and vorning. DO NOT INDUCE VOMITING.  Servi reducal attention.  SECTION 5: Pixelighting measures  5.1. Editinguishing media  Use as appropriate. Carbon dioxide (CO2), Dry chemical, Foars. Alcohol resistant foam: Send.  5.2. Special hazards arising from the substance or millure  Highly filammable. Burning produces inflating, toxic and obnovious furnes.  5.3. Advice for firelighters  Set contained breatifiling apparatus. Wear protective citching. Cod fire exposed containers with vasteograpy.  SECTION 8: Accidental reliesse measures  8.1. Personal precuritors, protective equipment and amergency procedures  Ensure adequate veritiation of the working area. Eliminate at sources of ignition. Wear suitable protective agrigment.  8.2. Environmental precuritors  Do not allow product to enter drains. Prevent further spillage if safe.  8.3. Methods and material for containment and describing up.  Abstrov with nert, absorbed material. Transfer to suitable, labeled containers for disposal. Clean spillage area throughly with plenty of water.  SECTION 7: Handling and storage  7.1. Precoultions for safe handling  Ensure adequate verification of the working area. Avoid contact with eyes and skin. Use explosion prod equipment. Reap away from sources of ignition. No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing, in case of insulficient verification, wear suitable registrory equipment.  8. EXECTION 8: Exposure controllufersonal protection  8. Experimentations with ment, also one of the containers tightly closed. Do not store with coidilisers. Keep away from sources of ignition - No smoking.  8. Experimentations.  8. Experimenta	4.1. Description of first aid measures			
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## 8.2. Exposure controls

0

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#### 8.2. Exposure controls







8.2.1. Appropriate engineering

controls

8.2.2. Individual protection

measures

Eye / face protection

Skin protection -Handprotection

Skin protection - Other

Respiratory protection

Ensure adequate ventilation of the working area. Provide eye wash station.

Wear chemical protective clothing. In case of insufficient ventilation, wear suitable respiratory

equipment.

Approved safety goggles.

Chemical resistant gloves (PVC). Nitrile rubber gloves. Butyl rubber gloves.

Wear suitable protective clothing.

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.

## 10.3. Possibility of hazardous reactions

Oxidising agents.

#### 10.4. Conditions to avoid

Heat, sparks and open flames. Direct sunlight.

### 10.5. Incompatible materials

Acids. Oxidising agents.

## 10.6. Hazardous decomposition products

Carbon oxides.

## SECTION 11: Toxicological information

## 11.1.4. Toxicological Information

INDUSTRIAL DENATURED ALCOHOL (95%)

Oral Rat LD50 = 7060 (for ethanol)

## SECTION 12: Ecological information

### 12.1. Toxicity

INDUSTRIAL DENATURED	Daphnia EC50/48h = 9000 (for	Algae IC50/72h = 5000 (for ethanol)
ALCOHOL (95%)	ethanol) mg/l	mg/l

## 12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

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		Revision date	2011-05-20
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.		
	Dispose of in compliance that an occur and national regulations.		
SECTION 14: Transport information			
Hazard pictograms			
Hazard pictograms	3		
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	111		
14.5. Environmental hazards			
Environmental hazards  Marine pollutant	No		
ADR/RID	No		
Hazard ID	20		
Tunnel Category	30   D/E		
IMDG	UIL .		
EmS Code	F-E S-D		
IATA	1		
Packing Instruction (Cargo)	366		
Maximum quantity	220 L		
Packing Instruction	355		
(Passenger)			
Maximum quantity	60 L		
SECTION 15: Regulatory information			

# SECTION 15: Regulatory information

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

# CYTOFIXX (CYTOLOGICAL FIXATIVE)

Revision 0

Revision date 2011-05-20

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

15.1. Safety, health and environme	ntal 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	
	The product is classified in accordance with 67/548/EEC.
Symbols	F: Highly flammable. Xn: Harmful.
Risk phrases	R11 - Highly flammable.
	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
	R68/20/21/22 - Harmful: possible risk of irreversible effects through inhalation, in contact with skin
	and if swallowed.
Safety phrases	S16 - Keep away from sources of ignition - No smoking.
	S36/37 - Wear suitable protective clothing and gloves.
Precautionary Phrases	P15 - Restricted to professional users.
SECTION 16: Other information	
Other information	

Other information	
Text of risk phrases in Section	R11 - Highly flammable.
3	R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
	R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with
	skin and if swallowed.
Further information	
	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