

# Safety Data Sheet – Heat Pretreatment Solution PH 7

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

<b>1.1</b>	<b>Product identifier</b>				
	Product form:	Mixture			
	Name:	Heat Pretreatment Solution PH 7			
	Product code:	LPS100A			
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against</b>				
<b>1.2.1</b>	<b>Relevant identified uses</b>				
	Main use category:	Industrial use, Professional use			
	Industrial/Professional use spec:	Industrial. For professional use only			
	Use of substance/mixture:	Laboratory chemicals			
<b>1.2.2</b>	<b>Uses advised against</b>				
	No additional information available				
<b>1.3</b>	<b>Details of the supplier of the safety data sheet</b>				
	CytoCell Ltd, Oxford Gene Technology 418 Cambridge Science Park, Milton Road, Cambridge, CB4 0PZ. United Kingdom T: +44 (0) 1223 294048 F: +44 (0) 1223 294986 probes@cytoCell.com <a href="http://www.ogt.com">http://www.ogt.com</a>				
<b>1.4</b>	<b>Emergency telephone number</b>				
	<b>Country</b>	<b>Organisation/Company</b>	<b>Address</b>	<b>Emergency Number</b>	<b>Comment</b>
	Ireland	National Poisons Information Centre, Beaumont Hospital	Beaumont Hospital Beaumont Road, 9 Dublin	+353 1 8379964	
	United Kingdom	National Poisons Information Service (NHS Direct)	<a href="http://www.npis.org">www.npis.org</a>	111 (England & Wales only) 112 (EU) 08454 24 24 24 (Scotland)	

## SECTION 2: Hazards identification

<b>2.1</b>	<b>Classification of the substance or mixture</b>				
<b>2.1.1</b>	<b>Classification according to Regulation (EC) No. 1272/2008 [CLP]</b>				
	Not classified				
<b>2.1.2</b>	<b>Adverse physicochemical, human health and environmental effects</b>				
	To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.				
<b>2.2</b>	<b>Label elements</b>				
	<b>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</b>				
	No labelling applicable				
<b>2.3</b>	<b>Other hazards</b>				
	No additional information available				

## SECTION 3: Composition/information on ingredients

<b>3.1</b>	<b>Substance</b>				
	Not applicable				

<b>3.2</b>	<b>Mixtures</b>
	This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

## SECTION 4: First aid measures

<b>4.1</b>	<b>Description of first aid measures</b>	
	<p>First-aid measures general: First-aid measures after inhalation:</p> <p>First-aid measures after skin contact:</p> <p>First-aid measures after eye contact:</p> <p>First-aid measures after ingestion:</p>	<p>Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).</p> <p>Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. Allow the victim to rest.</p> <p>Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.</p> <p>Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.</p> <p>Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.</p>
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>	
	Symptoms/effects:	Not expected to present a significant hazard under anticipated conditions of normal use.
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed</b>	
	Treat symptomatically.	

## SECTION 5: Firefighting measures

<b>5.1</b>	<b>Extinguishing media</b>	
	<p>Suitable extinguishing media: Unsuitable extinguishing media:</p>	<p>Use extinguishing media appropriate for surrounding fire. Do not use a heavy water stream.</p>
<b>5.2</b>	<b>Special hazards arising from the substance or mixture</b>	
	Hazardous decomposition products in case of fire:	Toxic fumes may be released.
<b>5.3</b>	<b>Advice for firefighters</b>	
	<p>Firefighting instructions:</p> <p>Protection during firefighting:</p>	<p>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.</p> <p>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.</p>

## SECTION 6: Accidental release measures

<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures</b>	
<b>6.1.1</b>	<b>For non-emergency personnel</b>	
	Emergency procedures:	Ventilate spillage area. Evacuate unnecessary personnel.
<b>6.1.2</b>	<b>For emergency responders</b>	
	<p>Protective equipment:</p> <p>Emergency procedures:</p>	<p>Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.</p> <p>Ventilate area.</p>
<b>6.2</b>	<b>Environmental precautions</b>	
	<p>Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if substance enters sewers or public waters.</p>	
<b>6.3</b>	<b>Methods and material for containment and cleaning up</b>	
	<p>Methods for cleaning up:</p> <p>Other information:</p>	<p>Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.</p> <p>Dispose of materials or solid residues at an authorised site.</p>
<b>6.4</b>	<b>Reference to other sections</b>	
	For further information refer to section 13. See Heading 8. Exposure controls and personal protection.	

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Precautions for safe handling:	Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products:	Strong bases. Strong acids.
Incompatible materials:	Sources of ignition. Direct sunlight.

### 7.3 Specific end use(s)

No additional information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No additional information available.

### 8.2 Exposure controls

<p>Appropriate engineering controls:</p> <p>Personal protective equipment:</p> <p>Hand protection:</p> <p>Eye protection:</p> <p>Skin and body protection:</p> <p>Respiratory protection:</p> <p>Environmental exposure controls:</p> <p>Other information:</p>	<p>Ensure good ventilation of the work station.</p> <p>Avoid all unnecessary exposure.</p> <p>In case of repeated or prolonged contact wear gloves</p> <p>Where eye contact may occur from use, Wear eye protection</p> <p>Wear suitable protective clothing</p> <p>Where exposure through inhalation may occur from use, respiratory protection equipment is recommended</p> <p>Avoid release to the environment.</p> <p>Do not eat, drink or smoke during use.</p>
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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<p>Physical state:</p> <p>Colour:</p> <p>Odour:</p> <p>Odour threshold:</p> <p>pH:</p> <p>Relative evaporation rate (butylacetate=1):</p> <p>Melting point:</p> <p>Freezing point:</p> <p>Boiling point:</p> <p>Flash point:</p> <p>Auto-ignition temperature:</p> <p>Decomposition temperature:</p> <p>Flammability (solid, gas):</p> <p>Vapour pressure:</p> <p>Relative vapour density at 20°C:</p> <p>Relative density:</p> <p>Solubility:</p> <p>Log Pow:</p> <p>Viscosity, kinematic:</p> <p>Viscosity, dynamic:</p> <p>Explosive properties:</p> <p>Oxidising properties:</p> <p>Explosive limits:</p>	<p>Liquid</p> <p>Colourless</p> <p>Odourless</p> <p>No data available</p> <p>6 - 8</p> <p>No data available</p> <p>Not applicable</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>Not applicable, Non flammable.</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p>
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<b>9.2</b>	<b>Other information</b>
	No additional information available

## SECTION 10: Stability and reactivity

<b>10.1</b>	<b>Reactivity</b>
	The product is non-reactive under normal conditions of use, storage and transport.
<b>10.2</b>	<b>Chemical stability</b>
	Stable under normal conditions. Not established.
<b>10.3</b>	<b>Possibility of hazardous reactions</b>
	No dangerous reactions known under normal conditions of use. Not established.
<b>10.4</b>	<b>Conditions to avoid</b>
	None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.
<b>10.5</b>	<b>Incompatible materials</b>
	Strong acids. Strong bases.
<b>10.6</b>	<b>Hazardous decomposition products</b>
	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

<b>11.1</b>	<b>Information on toxicological effects</b>	
	Acute toxicity:	Not classified
	Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitisation: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Potential adverse human health effects and symptoms:	Not classified. pH: 6 - 8 Not classified. pH: 6 - 8 Not classified Not classified Not classified Not classified Not classified Not classified Not classified Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

<b>12.1</b>	<b>Toxicity</b>	
	Ecology - general:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
<b>12.2</b>	<b>Persistence and degradability</b>	
	Heat Pretreatment Solution PH 7	
	Persistence and degradability	Not established.
<b>12.3</b>	<b>Bioaccumulative potential</b>	
	Heat Pretreatment Solution PH 7	
	Persistence and degradability	Not established.
<b>12.4</b>	<b>Mobility in soil</b>	
	No additional information available.	

<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>	
	No additional information available.	
<b>12.6</b>	<b>Other adverse effects</b>	
	Additional information:	Avoid release to the environment.

### SECTION 13: Disposal considerations

<b>13.1</b>	<b>Waste treatment methods</b>	
	Waste treatment methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
	Product/Packaging disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations.
	Ecology - waste materials:	Avoid release to the environment.

### SECTION 14: Transport information

	In accordance with ADR / RID / IMDG / IATA / ADN				
	<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>	<b>ADN</b>	<b>RID</b>
<b>14.1</b>	<b>UN number</b>				
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2</b>	<b>UN proper shipping name</b>				
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3</b>	<b>Transport hazard class(es)</b>				
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4</b>	<b>Packing group</b>				
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5</b>	<b>Environmental hazards</b>				
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
	No supplementary information available				
<b>14.6</b>	<b>Special precautions for user</b>				
	<b>Overland transport</b>				
	Not applicable				
	<b>Transport by sea</b>				
	Not applicable				
	<b>Air transport</b>				
	Not applicable				
	<b>Inland waterway transport</b>				
	Not applicable				
	<b>Rail transport</b>				
	Not applicable				
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>				
	Not applicable				

**SECTION 15: Regulatory information**

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1</b>	<b>EU-Regulations</b>	
	Contains no REACH substances with Annex XVII restrictions. Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances.	
<b>15.1.2</b>	<b>National regulations</b>	
	Germany	
	12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV:	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
<b>15.2</b>	<b>Chemical safety assessment</b>	
	No chemical safety assessment has been carried out.	

**SECTION 16: Other information**

Other information:	None.
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SDS EU\_NSC

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*