



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Hazardous Substances (Safety Data Sheets) Notice 2017. This notice is issued by the Environmental Protection Authority under sections 75 and 76(1)(b), (f), (g) and (h) of the Hazardous Substances and New Organisms Act 1996

Issuing Date 15-Oct-2021

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Revision Number 2

## Section 1: Identification

### Product identifier

Product Name HEAT PRETREATMENT SOLUTION PH 7

Product Code(s) LPS100A

### Other means of identification

### Recommended use of the chemical and restrictions on use

Recommended use Laboratory chemicals  
For professional use only

Uses advised against None known

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

#### Importer

Sysmex New Zealand Limited  
Level 3, 103 Carlton Gore Rd  
New Market  
Auckland 1023, New Zealand  
+64-9-630-3554/ 0800797639

#### Manufacturer

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  
<http://www.ogt.com>

E-mail address regulatory@sysmex.co.nz

### Emergency telephone number

Emergency telephone For Sysmex Supply Chain support or Product Related Enquiries: +64 9 6303554 / 0800797639 (Mon to Fri – 8.30 am to 5.00 pm)  
For any spillage or clean up issues: CHEMCALL 0800 243 622 (24 hours – 365 days)  
National Poison Centre 0800 764 766 (0800 POISON)

## Section 2: Hazard identification

### Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS). Not classified.

### Label elements

#### **Hazard statements**

Not classified

**Other hazards which do not result in classification**

The product does not contain any substance(s) classified as PBT or vPvB.

**Section 3: Composition/information on ingredients**

Chemical name	CAS No.	Weight-%
Non-hazardous component	-	100

**Section 4: First-aid measures****Description of first aid measures**

<b>General advice</b>	Get medical attention if irritation or other symptoms occur Show this safety data sheet to the doctor in attendance
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	No information available.
<b>Effects of Exposure</b>	No information available.

**Indication of any immediate medical attention and special treatment needed**

<b>Note to doctors</b>	Treat symptomatically.
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**Section 5: Fire-fighting measures****Suitable Extinguishing Media**

<b>Suitable Extinguishing Media</b>	Dry chemical, CO2, alcohol-resistant foam or water spray.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical**

<b>Specific hazards arising from the chemical</b>	None known based on information supplied.
<b>Hazardous combustion products</b>	Carbon oxides.

**Special protective actions for firefighters**

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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**Section 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Ensure adequate ventilation. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid breathing vapours or mists. Do not touch or walk through spilled material.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

**Environmental precautions**

<b>Environmental precautions</b>	Do not allow to enter into surface water or drains.
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**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Cover liquid spill with sand, earth or other non-combustible absorbent material. Pick up and transfer to properly labelled containers.

**Precautions to prevent secondary hazards**

<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.
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**Section 7: Handling and storage****Precautions for safe handling**

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid breathing vapours or mists. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear personal protective clothing (see section 8).
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Protect from moisture.
<b>Incompatible materials</b>	Strong acids, Strong bases.

**Section 8: Exposure controls/personal protection****Control parameters**

<b>Exposure Limits</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      Handling of larger amounts: Wear protective eye glasses for protection against liquid splashes.

**Hand protection**                              Wear protective gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection**                      No special protective equipment required.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls**              No information available.

## **Section 9: Physical and chemical properties**

### **Information on basic physical and chemical properties**

**Appearance**                                      Colourless liquid  
**Physical state**                                      Liquid  
**Colour**    Colourless  
**Odour**    Characteristic  
**Odour threshold**                                      No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	6 - 8	
<b>pH (as aqueous solution)</b>		No data available
<b>Melting point / freezing point</b>		No data available
<b>Initial boiling point and boiling range</b>		No data available
<b>Flash point</b>		No data available
<b>Flammability</b>		No data available
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>		Not applicable
<b>Lower flammability or explosive limits</b>		Not applicable
<b>Vapour pressure</b>		No data available
<b>Relative vapour density</b>		No data available
<b>Relative density</b>		No data available
<b>Bulk density</b>		No data available
<b>Liquid Density</b>		No data available
<b>Solubility(ies)</b>		No data available
<b>Water solubility</b>		No data available
<b>Partition Coefficient (n-octanol/water)</b>		No data available
<b>Auto-ignition temperature</b>		No data available
<b>Decomposition temperature</b>		No data available
<b>SADT (°C)</b>		No data available
<b>Kinematic viscosity</b>		No data available
<b>Dynamic viscosity</b>		No data available
<b>Particle characteristics</b>		

Particle Size	No data available
Particle Size Distribution	No data available
Explosive properties	No information available.
Oxidising properties	No information available.

**Other information**

Molecular weight	No information available
VOC content	No information available
Softening point	No information available

**Information with regard to physical hazard classes****Explosives**

Explosive properties	No information available.
Not applicable	
Oxidising properties	No information available.

**Section 10: Stability and reactivity****Reactivity**

Reactivity	None under normal use conditions.
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**Chemical stability**

Stability	Stable under normal conditions.
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**Explosion data**

Sensitivity to mechanical impact	None.
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Sensitivity to static discharge	None.
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**Possibility of hazardous reactions**

Possibility of hazardous reactions	None under normal processing.
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**Conditions to avoid**

Conditions to avoid	Protect from direct sunlight. Extremely high or low temperatures.
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**Incompatible materials**

Incompatible materials	Strong acids, Strong bases.
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**Hazardous decomposition products**

Hazardous decomposition products	Carbon oxides.
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**Section 11: Toxicological information****Acute toxicity****Information on likely routes of exposure**

Product Information .

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.
<b>Symptoms</b>	No information available.
<b><u>Acute toxicity</u></b>	No information available.
<b>Numerical measures of toxicity</b> No information available.	

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitisation</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.
<b>Data used to identify the health effects</b>	Refer to Section 16 for Key literature references and sources for data used to compile the SDS.

## **Section 12: Ecological information**

### **Ecotoxicity**

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

**Aquatic ecotoxicity**

**Terrestrial ecotoxicity** There is no data for this product.

### **Persistence and degradability**

**Persistence and degradability** No information available.

#### **Bioaccumulative potential**

**Bioaccumulation** No information available.

#### **Mobility in soil**

**Mobility in soil** No information available.

#### **Other adverse effects**

No information available.

### **Section 13: Disposal considerations**

#### **Disposal methods**

**Waste from residues/unused products** Not applicable. Not Hazardous.

**Contaminated packaging** Not applicable. Not Hazardous.

### **Section 14: Transport information**

**IATA** Not regulated

**IMDG** Not regulated

### **Section 15: Regulatory information**

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

**EPA New Zealand HSNO approval code or group standard** Not applicable

**National regulations** There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances

**Certified handlers, tracking and controlled substance license requirements** Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information  
Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information  
Controlled substance licenses are required to possess certain explosives, vertebrate toxic agents and fumigants. See Part 7 of the Health and Safety at Work Regulation 2017 for more information

#### **International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**

Contact supplier for inventory compliance status

## Section 16: Other information

<b>Issuing Date</b>	15-Oct-2021
<b>Revision date</b>	04-Dec-2024
<b>Revision Note</b>	Updated format.

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	Environmental Protection Agency
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level



NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
Sen+	Sensitiser
Sk*	Skin designation
**	Hazard Designation

#### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organisation for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text

**End of Safety Data Sheet**