# **GE** Healthcare

# **SAFETY DATA SHEET**

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

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

1.1 Product identifier

Product name Wash Buffer; part of 'CyScribe™ First-Strand cDNA

Labeling System - dUTP with CyScribe GFX™

**Purification Kit'** 

Catalogue Number RPN6201X

9 0 R P N 6 2 0 1

Component Number 9202BB

Product descriptionNot available.Product typeLiquid.Other means of identificationNot available.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Analytical chemistry. Laboratory chemicals Research and Development

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

SupplierGE Healthcare UK LtdHours of operationAmersham Place08.30 - 17.00

Little Chalfont

Buckinghamshire HP7 9NA

England

+44 0870 606 1921

Person who prepared the MSDS: msdslifesciences@ge.com

1.4 Emergency telephone number

**Europe** GE Healthcare Bio-Sciences GmbH +49 0761 4543 0

Munzinger Strasse 5 D-79111 Freiburg Germany / Deutschland

# National advisory body/Poison Centre

**Europe** http://www.who.int/ipcs/poisons/centre/directory/euro/en/

Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

# SECTION 2: Hazards identification

# 2.1 Classification of the substance or mixture

Product definition Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

Ingredients of unknown toxicity

Ingredients of unknown ecotoxicity



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#### Classification according to Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification Not classified.

See Section 16 for the full text of the R phrases or H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Hazard pictograms

Signal word No signal word.

**Hazard statements** No known significant effects or critical hazards.

Precautionary statements

PreventionNot applicable.ResponseNot applicable.StorageNot applicable.DisposalNot applicable.

Hazardous ingredients

Supplemental label elements Not applicable.

#### Special packaging requirements

Containers to be fitted with child-resistant fastenings

Not applicable.

Tactile warning of danger Not applicable.

#### 2.3 Other hazards

Other hazards which do not result Not available.

in classification

# SECTION 3: Composition/information on ingredients

Substance/mixture Mixture

# <u>Type</u>

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

# SECTION 4: First aid measures

## 4.1 Description of first aid measures

**Eye contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for

and remove any contact lenses. Get medical attention if irritation occurs.

InhalationIf inhaled, remove to fresh air. Get medical attention if symptoms appear.Skin contactWash with soap and water. Get medical attention if irritation develops.

**Ingestion** Do not ingest. Get medical attention if symptoms appear.

**Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training.

# 4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contactNo known significant effects or critical hazards.InhalationNo known significant effects or critical hazards.Skin contactNo known significant effects or critical hazards.IngestionNo known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contactNo specific data.InhalationNo specific data.



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No specific data Skin contact Ingestion No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been

ingested or inhaled.

No specific treatment Specific treatments

# SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire. Suitable extinguishing media

None known Unsuitable extinguishing media

#### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or

mixture

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products No specific data

#### 5.3 Advice for firefighters

Special precautions for fire-

fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No

action shall be taken involving any personal risk or without suitable training.

Special protective equipment for

fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents

# SECTION 6: Accidental release measures

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

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding For non-emergency personnel

areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt

material. Put on appropriate personal protective equipment.

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on For emergency responders

suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform 6.2 Environmental precautions

the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

Small spill No special measures are typically indicated. No special measures are typically indicated. Large spill

See Section 1 for emergency contact information. 6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

### SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

## 7.1 Precautions for safe handling

Protective measures Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational

hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

# 7.3 Specific end use(s)



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Recommendations

Analytical chemistry. Laboratory chemicals Research and Development

Industrial sector specific solutions Not available.

# SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

Recommended monitoring

procedures

Product does not contain relevant quantities of materials with exposure values that have to be

# **Derived effect levels**

No DELs available.

# Predicted effect concentrations

No PECs available.

#### 8.2 Exposure controls

Appropriate engineering controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### **Individual protection measures**

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates

this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times

when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** 

Personal protective equipment for the body should be selected based on the task being performed and

the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this

Respiratory protection

A respirator is not needed under normal and intended conditions of product use.

**Environmental exposure controls** 

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or

engineering modifications to the process equipment will be necessary to reduce emissions to acceptable

levels.

# SECTION 9: Physical and chemical properties

# 9.1 Information on basic physical and chemical properties

#### **Appearance**

Physical state Liquid. Colourless. Colour Odourless Odour Not available. Odour threshold Not available.

0°C Melting point/freezing point Initial boiling point and boiling

range

100°C

Flash point [Product does not sustain combustion.]

Not available. **Evaporation rate** Not available Flammability (solid, gas)



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Burning time Not applicable.

Burning rate Not applicable.

Upper/lower flammability or

explosive limits

Not available.

Vapour pressureNot available.Vapour densityNot available.Relative densityNot available.

**Solubility(ies)** Easily soluble in the following materials: cold water and hot water.

Partition coefficient: n-

octanol/water

Not available.

 Auto-ignition temperature
 Not available.

 Decomposition temperature
 Not available.

 Viscosity
 Not available.

**Explosive properties**Not considered to be a product presenting a risk of explosion.

Oxidising properties Not available.

### 9.2 Other information

No additional information.

# SECTION 10: Stability and reactivity

10.1 Reactivity No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** The product is stable.

10.3 Possibility of hazardous

reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid No specific data.10.5 Incompatible materials No specific data.

10.6 Hazardous decomposition

products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

**Acute toxicity** 

**Conclusion/Summary**Very low toxicity to humans or animals.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary Not available.

Sensitiser

Conclusion/Summary Not available.

<u>Mutagenicity</u>

Conclusion/Summary No known significant effects or critical hazards.

<u>Carcinogenicity</u>

**Conclusion/Summary** Very low toxicity to humans or animals.

Reproductive toxicity

**Conclusion/Summary** No known significant effects or critical hazards.

<u>Teratogenicity</u>

**Conclusion/Summary** No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)



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Not available.

#### Aspiration hazard

Not available.

Information on the likely routes of Routes of entry anticipated:Oral, Dermal, Inhalation.

exposure

### Potential acute health effects

No known significant effects or critical hazards. Inhalation No known significant effects or critical hazards. Ingestion No known significant effects or critical hazards. Skin contact No known significant effects or critical hazards. Eye contact

### Symptoms related to the physical, chemical and toxicological characteristics

No specific data. Inhalation Ingestion No specific data. No specific data. Skin contact No specific data. Eye contact

#### Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Not available. Potential immediate effects

Potential delayed effects Not available.

Long term exposure

Potential immediate effects Not available.

Potential delayed effects Not available.

#### Potential chronic health effects

Not available.

Conclusion/Summary Very low toxicity to humans or animals.

General No known significant effects or critical hazards. No known significant effects or critical hazards. Carcinogenicity No known significant effects or critical hazards. Mutagenicity No known significant effects or critical hazards. **Teratogenicity** No known significant effects or critical hazards. **Developmental effects** No known significant effects or critical hazards. Fertility effects

Other information Not available.

# **SECTION 12: Ecological information**

12.1 Toxicity

Not available. Conclusion/Summary

12.2 Persistence and degradability

Conclusion/Summary Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (Koc Not available.

Not available. Mobility

12.5 Results of PBT and vPvB assessment

Not applicable. **PBT** 



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vPvB Not applicable.

**12.6 Other adverse effects**No known significant effects or critical hazards.

# **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

**Product** 

Methods of disposal The generation of waste should be avoided or minimised wherever possible. Significant quantities of

waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority

requirements.

**Hazardous waste** Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as

defined by EU Directive 91/689/EEC.

**Packaging** 

Methods of disposal The generation of waste should be avoided or minimised wherever possible. Waste packaging should be

recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** This material and its container must be disposed of in a safe way. Empty containers or liners may retain

some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways,

drains and sewers.

# **SECTION 14: Transport information**

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
14.6 Special precautions for user	Not available.	Not available.	Not available.	Not available.
Additional information	-	-	-	-

14.7 Transport in bulk according to Annex II of MARPOL

Not available.

73/78 and the IBC Code

# SECTION 15: Regulatory information

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

# EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

### Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.



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Other EU regulations

All components are listed or exempted. **Europe inventory** 

**Black List Chemicals** Not listed **Priority List Chemicals** Not listed Not listed Integrated pollution prevention

and control list (IPPC) - Air

Integrated pollution prevention and control list (IPPC) - Water

Not listed

International regulations

**Chemical Weapons Convention** List Schedule I Chemicals

Not listed

**Chemical Weapons Convention** List Schedule II Chemicals

Not listed

**Chemical Weapons Convention** List Schedule III Chemicals

Not listed

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

# **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H

statements

Not applicable.

Full text of classifications

[CLP/GHS]

Not applicable.

Full text of abbreviated R phrases Not applicable.

Full text of classifications

[DSD/DPD]

Not applicable.

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### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



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