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

Sephadex™ G-50 Superfine, 100 g

Catalogue Number

17-0041-01

9 0 1 7 0 0 4 1 0 1

EC number

232-677-5 9004-54-0

CAS number
Product description

Not available

Product type

Solid

Other means of identification

Bead-formed crosslinked Dextran

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

Liquid chromatography. Research and Development Analytical chemistry.

1.3 Details of the supplier of the safety data sheet

Supplier

GE Healthcare UK Ltd Amersham Place

Little Chalfont

Buckinghamshire HP7 9NA

England

+44 0870 606 1921

Hours of operation

08.30 - 17.00

Person who prepared the MSDS: msdslifesciences@ge.com

1.4 Emergency telephone number

Europe

GE Healthcare Bio-Sciences GmbH

Munzinger Strasse 5 D-79111 Freiburg Germany / Deutschland +49 0761 4543 0

National advisory body/Poison Centre

Europe

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

Substance

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition

Mono-constituent substance

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

Not classified.

Classification according to Directive 67/548/EEC [DSD]

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.



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2.2 Label elements

Hazard pictograms

Signal word No signal word.

No known significant effects or critical hazards. Hazard statements

Precautionary statements

Prevention Not applicable Not applicable Response Not applicable Storage Not applicable. Disposal 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

Substance meets the criteria for PBT according to Regulation (EC)

P: Not available, B: Not available, T: No.

No. 1907/2006, Annex XIII Substance meets the criteria for

Not available.

vPvB according to Regulation (EC)

No. 1907/2006, Annex XIII Other hazards which do not result Not available

in classification

SECTION 3: Composition/information on ingredients

Substance/mixture

Mono-constituent substance

			Clossification		
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 (CLP)	Туре
Dextran	EC: 232-677-5 CAS: 9004-54-0	100	Not classified.	Not classified	(A)

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

(A) Constituent

(B) Impurity

(C) Stabilising additive

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation

If inhaled, remove to fresh air. Get medical attention if symptoms appear. Inhalation Wash with soap and water, Get medical attention if irritation develops. Skin contact

Ingestion Get medical attention if symptoms appear.

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

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

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



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No known significant effects or critical hazards.

Ingestion

Skin contact

No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contactNo specific data.InhalationNo specific data.Skin contactNo specific data.IngestionNo 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.

Specific treatments

No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or

or No specific fire or explosion hazard.

mixture

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 glaves) 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

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt

material. Put on appropriate personal protective equipment.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

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

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste

container. Dispose of via a licensed waste disposal contractor.

Large spill

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and section 13 for waste disposal.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.



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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 Precoutions 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

Keep container tightly closed. Store between the following temperatures: 4 °C and 30 °C

7.3 Specific end use(s)

Recommendations

Liquid chromatography. Research and Development Analytical chemistry.

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

Not applicable.

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.

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

Not applicable.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state Solid. [Solid beads.] White to yellowish Colour Odourless. Odour

Not available. Odour threshold Not available. рΗ Melting point/freezing point Not available.

Initial boiling point and boiling

range

Flash point

[Product does not sustain combustion.]

Not available. **Evaporation rate** Not available. Flammability (solid, gas) Not available. **Burning time** Not available. **Burning rate** Upper/lower flammability or Not available.

explosive limits

Vapour pressure

Not available.

Not available. Not available. Vapour density Not available. Relative density

Insoluble in the following materials: cold water, hot water, methanol and acetone Solubility(ies)

Partition coefficient: n-

octanol/water

Not available.

Not available **Auto-ignition temperature** Not available **Decomposition temperature** Viscosity Not available.

Explosive properties

Not considered to be a product presenting a risk of explosion

Not available. Oxidising properties

9.2 Other information No additional information.

SECTION 10: Stability and reactivity

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

The product is stable. 10.2 Chemical stability

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. No specific data. 10.5 Incompatible materials

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

Not available.

Irritation/Corrosion

Conclusion/Summary

Not available.

Sensitiser

Conclusion/Summary

Not available.



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Mutagenicity

Conclusion/Summary

Not available

Carcinogenicity

Conclusion/Summary

Not available.

Reproductive toxicity

Conclusion/Summary

Not available.

Teratogenicity

Conclusion/Summary

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

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

exposure

Potential acute health effects

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

Eye contact No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

 Inhalation
 No specific data.

 Ingestion
 No specific data.

 Skin contact
 No specific data.

Eye contact No specific data

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

Short term exposure

Potential immediate effects Not available.

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 Not available.

General 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 No known significant effects or critical hazards.

Other information Not available.



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SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary

Not available.

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.

1

Mobility

Not available.

12.5 Results of PBT and vPvB assessment

PBT

No.

P: Not available. B: Not available. T: No.

vPvB

Not available.

vP: Not available, vB: Not available.

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 Pocking group				
14.5 Environmental hazards	Na.	No.	No.	No.



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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

Other EU regulations

Europe inventory

This material is listed or exempted.

Black List Chemicals

Not listed

Priority List Chemicals

Not listed

Integrated pollution prevention and control list (IPPC) - Air

Integrated pollution prevention

Not listed

and control list (IPPC) - Water

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

Not available.

Assessment

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.	



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Full text of abbreviated H

Not applicable.

statements

Full text of classifications

[CLP/GHS]

Not applicable.

Full text of abbreviated R phrases

Not applicable.

Full text of classifications

[DSD/DPD]

Not applicable.

Date of printing

28 June 2011 28 June 2011

Date of issue/ Date of revision Date of previous issue

No previous validation

Version

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