

SAFETY DATA SHEET

Oligonucleotide Library Agilent Part Number G4440A

Date of issue : 11/18/2007. **Version** : 0.01

1. Identification of the substance/preparation and company/undertaking

Identification of the substance or preparation

Product name : Oligonucleotide Library Agilent Part Number G4440A
Part No. : G4440A

Company/undertaking identification

Manufacturer / Supplier : Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

Emergency telephone number : Contact your local Poison Center

2. Hazards identification

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

Classification : Not classified.

Classification : Not classified.

Classification : Not classified.

See section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Classification
Europe				
Oligonucleotide		95		Not classified.
Organic Salts		5		Not classified.
See section 16 for the full text of the R-phrases declared above				
Sweden				
Oligonucleotide		>=90		Not classified.
Organic Salts		5-10		Not classified.
See section 16 for the full text of the R-phrases declared above				
Denmark				
Oligonucleotide		95		Not classified.
Organic Salts		5		Not classified.
See section 16 for the full text of the R-phrases declared above				
Norway				
Oligonucleotide		95		Not classified.
Organic Salts		5		Not classified.
See section 16 for the full text of the R-phrases declared above				
France				
Oligonucleotide		95		Not classified.
Organic Salts		5		Not classified.

Date of issue : 11/18/2007.

Page: 1/8

Product name : Oligonucleotide Library Agilent Part Number G4440A
Company/undertaking identification : Agilent Technologies Manufacturing GmbH & Co. KG
 Hewlett-Packard-Str. 8
 76337 Waldbronn
 Germany
Emergency telephone number : Contact your local Poison Center
Part No. : G4440A
Date of issue : 11/18/2007.
Version : 0.01

3. Composition/information on ingredients

See section 16 for the full text of the R-phrases declared above			
Netherlands			
Oligonucleotide	>=90		Not classified.
Organic Salts	5-10		Not classified.
See section 16 for the full text of the R-phrases declared above			
Germany			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Finland			
Oligonucleotide	>=90		Not classified.
Organic Salts	5-10		Not classified.
See section 16 for the full text of the R-phrases declared above			
United Kingdom (UK)			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Austria			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Switzerland			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Belgium			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Spain			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Turkey			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			

Product name : Oligonucleotide Library Agilent Part Number G4440A
Company/undertaking identification : Agilent Technologies Manufacturing GmbH & Co. KG
 Hewlett-Packard-Str. 8
 76337 Waldbronn
 Germany
Emergency telephone number : Contact your local Poison Center
Part No. : G4440A
Date of issue : 11/18/2007.
Version : 0.01

3. Composition/information on ingredients

Czech Republic			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Ireland			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Italy			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Estonia			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Lithuania			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Slovakia			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Hungary			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Poland			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Slovenia			
Oligonucleotide	95		Not classified.
Organic Salts	5		Not classified.
See section 16 for the full text of the R-phrases declared above			
Latvia			

Product name : Oligonucleotide Library Agilent Part Number G4440A
Company/undertaking identification : Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
Emergency telephone number : Contact your local Poison Center
Part No. : G4440A
Date of issue : 11/18/2007.
Version : 0.01

3. Composition/information on ingredients

Oligonucleotide	95	Not classified.
Organic Salts	5	Not classified.
See section 16 for the full text of the R-phrases declared above		

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

Use of the substance/preparation : 1.5 mL tubes Analytical Standard

4. First-aid measures

First-aid measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if adverse health effects persist or are severe.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if adverse health effects persist or are severe.
- Skin contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if adverse health effects persist or are severe.
- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if adverse health effects persist or are severe.
- Protection of first-aiders** : Not applicable.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Special exposure hazards - Explosibility** : No specific fire or explosion hazard.
- Special exposure hazards - fire** : 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.

6. Accidental release measures

- Personal precautions** : 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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- 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).

Product name	: Oligonucleotide Library Agilent Part Number G4440A
Company/undertaking identification	: Agilent Technologies Manufacturing GmbH & Co. KG Hewlett-Packard-Str. 8 76337 Waldbronn Germany
Emergency telephone number	: Contact your local Poison Center
Part No.	: G4440A
Date of issue	: 11/18/2007.
Version	: 0.01

6. Accidental release measures

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.

7. Handling and storage

Handling : Wash thoroughly after handling.

Storage : 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.

Packaging materials

Recommended : Use original container.

8. Exposure controls/personal protection

Exposure limit values : Not established

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure 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.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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.

Eye 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 : 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.

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.

Product name : Oligonucleotide Library Agilent Part Number G4440A
Company/undertaking identification : Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
Emergency telephone number : Contact your local Poison Center
Part No. : G4440A
Date of issue : 11/18/2007.
Version : 0.01

8. Exposure controls/personal protection

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.

9. Physical and chemical properties

General information

Appearance

Physical state : Solid.

Important health, safety and environmental information

Flash point : Not applicable.

10. Stability and reactivity

Stability : The product is stable.
Materials to avoid : Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Potential acute health effects

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 : No known significant effects or critical hazards.

12. Ecological information

Environmental effects : No known significant effects or critical hazards.
Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
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.
Norway - Hazardous waste : To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by SFT's Directive on special waste.

Product name : Oligonucleotide Library Agilent Part Number G4440A
Company/undertaking identification : Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
Emergency telephone number : Contact your local Poison Center
Part No. : G4440A
Date of issue : 11/18/2007.
Version : 0.01

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-		-
ADNR Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA Class	Not regulated.	-	-	-		-

PG* : Packing group

15. Regulatory information

EU regulations

Risk phrases : This product is not classified according to EU legislation.
Product use : Industrial applications.

National regulations

Denmark

Risk phrases : Not classified.

Norway

Risk phrases : Not classified.**Carcinogenic class** : Not classified.

Germany

Technical instruction on air quality control : TA-Luft Number 5.2.5: 95%**Hazard class for water** : 3 Appendix No. 4

Austria

Limitation of the use of organic solvents : Permitted.

Switzerland

Poison class : Not regulated**BAG T** : 619000**VOC content** : Liberated.

Italy

Emission control directive : Not classified.

Product name : **Oligonucleotide Library Agilent Part Number G4440A**
Company/undertaking identification : Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
Emergency telephone number : Contact your local Poison Center
Part No. : G4440A
Date of issue : 11/18/2007.
Version : 0.01

16. Other information

History

Date of printing : 11/18/2007.
Date of issue : 11/18/2007.
Date of previous issue : No previous validation.
Version : 0.01

Notice to reader

DISCLAIMER: *This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing the suitability of the Product for a particular application.*

 Indicates information that has changed from previously issued version.