

Safety Data Sheet

Document no: SDS-49

Product: ORIGIO® Gradient™ 90 **Page 1 / 3**

Date first created: 2015/04/24 **Version** 3 **Date revised:** 2017/10/12

1. Identification of Substance/Mixture and of the Company

Product name:	ORIGIO® Gradient™ 90	Manufacturer:	ORIGIO a/s
Cat. No.:	8401		Knardrupvej 2
Product use:	ORIGIO® Gradient™ 90 is for the efficient separation of motile sperm from the ejaculate by the density gradient method.		2760 Måløv Denmark +45 46 79 02 00

2. Hazard Identification

The product is classified as non-hazardous according to CLP Regulation (EC) No 1272/2008.

3. Composition / Information on Ingredients

Component	CAS#	Approx. %
Salt solution of silane coated silica particles	-	>90
Water	-	<20
Sodium chloride	7647-14-7	<0,5
Human Serum Albumin	-	<0,5
HEPES sodium salt	75277-39-3	<0,5
Sodium hydroxide	1310-73-2	<0,5
D-(+)-glucose	50-99-7	<0,1
Potassium Chloride	7447-40-7	<0,1
Calcium Chloride	10043-52-4	<0,1
Sodium bicarbonate	144-55-8	<0,1
Taurine	107-35-7	<0,01
Sodium Pyruvate	113-24-6	<0,01
Sodium dihydrogen phosphate (monobasic)	13472-35-0	<0,01
Magnesium sulphate heptahydrate	7487-88-9	<0,01
Tri sodiumcitrate dihydrate	6132-04-3	<0,01
Ethylenediaminetetraacetic acid (EDTA)	60-00-4	<0,01
Gentamicin sulphate salt	1405-41-0	<0,01

4. First-Aid Measures

Inhalation:	Not a likely source of exposure.
Ingestion:	Wash out mouth with water. If swallowed consult a physician.
Skin:	Wash with soap and water after each contact.
Eyes:	Flush with copious amounts of water. Assure adequate flushing by separating the eyelids with fingers. If irritation develops, consult a physician.

5. Fire Fighting Measures

Fire:	Not considered to be a fire hazard.
Extinguishing media:	Dry chemical, foam, carbon dioxide or water spray.

ORIGIO a/s

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 QI 3.14.01.17, annex 1, v. 05

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6. Accidental Release Measures

Absorb on suitable absorbent, such as paper tissue.

7. Handling and Storage

Store in original container at 2-8°C, protected from light. Do not freeze.

8. Exposure Controls/Personal Protection

Avoid contact with skin and eyes. Wash thoroughly after handling.

9. Physiological and Chemical properties

Appearance:	A clear, colourless liquid
Odour:	Odourless
Boiling point:	N/A
Vapour Pressure:	N/A
Specific Gravity:	N/A
Vapour Density:	N/A
Melting Point:	N/A
Solubility H ₂ O:	Soluble
Evaporation Rate:	N/A
Flash Point:	None

10. Stability and Reactivity

Stability:	Stable
Conditions to avoid:	Avoid oxidizing agents
Hazardous Decomposition or by-products:	None known
Hazardous polymerisation:	Not expected to occur

11. Toxicological Information

The product has been tested in Sperm Survival Test (SST) and there was no evidence of SST toxicity.

12. Ecological Information

No ecological information available.

13. Disposal Considerations

Dispose of as medical waste.

14. Transportation Information

Classified as non-hazardous for transport.

15. Regulatory Information

The product has been evaluated in accordance with CLP Regulation (EC) No 1272/2008. The product has been classified as non-hazardous.

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16. Other Information

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must take independent determinations of the suitability and completeness of information from all other sources to assure proper use and disposal of these materials and the safety and health of employees and customers. ORIGIO a/s shall not be held liable for any damage resulting from handling or from contact with its products.

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