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Version 1

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product code 608096 EC
Product name Premier® Enzyme Conjugate - CS8604

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

Recommended Use In vitro diagnostic

1.3 Details of the supplier of the safety data sheet

Manufacturer

Meridian Bioscience, Inc.
3471 River Hills Drive
Cincinnati, Ohio 45244

Authorized Representative
Meridian Bioscience Europe
Via del' Industria 7
20020 Villa Cortese Milano, Italy

For further information, please contact:

E-mail Address www.meridianbioscience.com

1.4 Emergency telephone number

Emergency telephone Emergency telephone CHEMTREC (International) 1-800-424-9300/ For US 1-703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s)
Not dangerous

2.2 Label elements

2.3 Other information

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
Sodium o-(ethylmercurithio)benzoate	Present	54-64-8	0.02	T+; R26/27/28 R33 N; R50-53	Acute Tox. 2 (H300) Acute Tox. 1 (H310) Acute Tox. 2 (H330) STOT RE 2 (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
Gentamicin, sulfate (salt)	-	1405-41-0	0.0016	-	no data available	no data available

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first-aid measures

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, call a physician.
Skin contact	Wash off immediately with soap and plenty of water.
Ingestion	Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Inhalation	Move to fresh air. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Dry chemical, CO₂, alcohol-resistant foam or water spray.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

See Section 12 for additional Ecological Information.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

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

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

6.4 Reference to other sections**SECTION 7. HANDLING AND STORAGE****7.1 Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end uses**Other Guidelines**

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
Sodium o-(ethylmercurithio)benzoate 54-64-8					Skin
Component	Italy	Portugal	The Netherlands	Finland	Denmark
Sodium o-(ethylmercurithio)benzoate 54-64-8 (0.02)					TWA: 0.05 mg/m ³ Skin
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Sodium o-(ethylmercurithio)benzoate 54-64-8	Skin STEL 0.1 mg/m ³ TWA: 0.01 mg/m ³	Skin TWA: 0.01 mg/m ³	TWA: 0.01 mg/m ³	TWA: 0.02 mg/m ³ STEL: 0.06 mg/m ³	

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection	Tightly fitting safety goggles.
Hand Protection	Protective gloves.
Skin and body protection	Long sleeved clothing.
Respiratory protection	No special protective equipment required.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	liquid	Odor	none
Appearance	No information available	Odor Threshold	No information available
Color	red		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		No information available
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity		No information available
Water solubility		Soluble in water
Solubility in other solvents VALUE		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties	No information available	
Oxidizing Properties	No information available	

9.2 Other information

Softening point	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Density VALUE	No information available
Bulk Density VALUE	No information available

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity****10.2 Chemical stability**

Stable under normal conditions.

10.3 Possibility of hazardous reactions**10.4 Conditions to Avoid**

Extremes of temperature and direct sunlight.

10.5 Incompatible Materials

No materials to be especially mentioned.

10.6 Hazardous Decomposition Products

None under normal use conditions.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	There is no data available for this product.
Eye contact	There is no data available for this product.
Skin contact	There is no data available for this product.
Ingestion	There is no data available for this product.
Acute toxicity	99.98% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

Oral	99,999.00 mg/kg
Dermal	99,999.00 mg/kg
Inhalation	
Gas	99,999.00 mg/l
Mist	99,999.00 mg/l
Vapor	99,999.00 mg/l

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium o-(ethylmercurithio)benzoate	75 mg/kg (Rat)		

Skin corrosion/irritation	No information available.
Eye damage/irritation	No information available.
Sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	No information available.
Aspiration hazard	No information available.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Ecotoxicity effects Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil**Mobility**

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects.**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

IATA/DOT Not regulated

14.1.

14.2.

14.3.

14.4.

14.5.

14.6.

SECTION 15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

TSCA Complies
EINECS/ELINCS -
DSL/NDSL -

PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2 Chemical Safety Report

No information available

SECTION 16. OTHER INFORMATION**Full text of R-phrases referred to under sections 2 and 3**

R33 - Danger of cumulative effects

R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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Revision Note	not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.**Disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Meridian Bioscience, Inc. shall not be held liable for any damages resulting from handling or from contact with the above product.

Comments	Sodium o-(ethylmercurithio)benzoate is Thimerosal
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