

1 Identification

- **Product identifier**
- **Trade name:** SERUM CALIBRATOR
- **Article number:**
 - Envoy Vital Diagnostics article number : 55111A
 - Eon Vital Diagnostics article number : 77111A
- **Synonyms**
 - Envoy Vital Diagnostics Reagent(s) : Envoy 500 Serum Calibrator
 - Eon Vital Diagnostics Reagent(s) : Eon Serum Calibrator
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture**

Reagent for IN VITRO diagnostic

Product included in kit(s) Envoy Vital Diagnostics :

 - Kit composed of two reagents : 55111

Product included in kit(s) Eon Vital Diagnostics :

 - Kit composed of two reagents : 77111
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Manufacturer :

ELITech Clinical Systems SAS

Zone Industrielle

61500 Sées • France

Tel : +33 (0)2 33 81 21 00

Fax : +33 (0)2 33 28 77 51

www.elitechgroup.com

MSDS.ECS-SAS@elitechgroup.com

US Supplier:

Vital Diagnostics Inc.

27 Wellington Road

Lincoln, Rhode Island 02865 USA

(401) 642-8400

(855) 354-8324

www.vitaldiagnostics.com
- **Information department:** Product safety department
- **Emergency telephone number:** Contact your distributor or poison control center in your country.

2 Hazard(s) identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
- **Additional information:**

Each human donor unit used to manufacture this product was tested by FDA accepted methods and found non-reactive for Hepatite B Surface Antigen (HBsAg), antibody to Hepatitis C (HCV) and antibody to HIV-1/HIV-2. This product may also contain other human source material for which there are no approval tests. In accordance with good laboratory practice, all human source material should be considered potentially infectious and handled with the same precautions used with patient specimens.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008 -**
- **Hazard pictograms -**
- **Signal word -**
- **Hazard statements -**

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**

Human serum

Contains compounds of human origin potentially infectious.
- **Dangerous components:** No dangerous component in reportable quantity.

4 First-aid measures

- **Description of first aid measures**
- **General information:**

Immediately remove any clothing soiled by the product.

Show this safety data sheet to the doctor in attendance.
- **After inhalation:**

Supply fresh air.

If required, provide artificial respiration.

Seek immediate medical advice.

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- **After skin contact:**
Immediately rinse with water.
Clean with a disinfectant.
Seek immediate medical advice.
- **After eye contact:**
Protect unharmed eye.
Remove contact lenses, if present and easy to do.
Rinse opened eye for several minutes under running water. Then consult a doctor.
Seek immediate medical advice.
- **After swallowing:**
Never give anything by mouth to an unconscious person.
Rinse out mouth.
Seek advice from a doctor or a poison control center.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** Data not available
- **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** As in any fire, wear a respiratory protective device, and full protective gear.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Handle as potentially infectious.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Avoid physical contact with material.
Avoid formation of dust.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
Take up dry.
Pick up mechanically.
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent
Disinfectant.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Handle as potentially infectious.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Avoid physical contact with material.
Observe the warnings on the label.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect the product from light. Avoid exposure to heat.
- **Recommended storage temperature:** 2-8 °C
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** Eyewash fountain and safety shower in the area of storage and use.

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- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling products potentially infectious.
Keep away from foodstuffs, beverages and feed.
Disinfect workplace and hands after work.
Immediately remove all soiled and contaminated clothing.
- **Breathing equipment:**
Under normal conditions, the use of these products should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.
Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- **Protection of hands:**



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
 - **Penetration time of glove material** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - **Eye protection:**
Safety glasses
Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
 - **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Freeze dried powder
 - **Color:** Slightly yellow
 - **Odor:** Odorless
- **pH-value:** Data not available
- **Change in condition**
 - **Melting point/Melting range:** Data not available
 - **Boiling point/Boiling range:** Not applicable
- **Flash point:** Not applicable
- **Flammability (solid, gaseous):** Data not available
- **Ignition temperature:** Data not available
- **Decomposition temperature:** Data not available
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapor pressure:** Not applicable.
- **Density:** Data not available
- **Vapour density** Data not available
- **Evaporation rate** Data not available
- **Solubility in / Miscibility with Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Data not available
- **Viscosity:**
 - **Dynamic:** Not applicable.
- **Other information** No further relevant information available.

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10 Stability and reactivity

- **Reactivity** Data not available
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions if used according to specifications.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Data not available
- **Hazardous decomposition products:** None expected under normal condition of use.
- **Additional information:** Stable at the recommended storage temperature and if protected from light. Avoid exposure to heat.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Data not available
- **Primary irritant effect:**
- **on the skin:**
May cause irritating effect.
May be harmful if absorbed through skin.
- **on the eye:** May cause irritating effect.
- **Inhalation:**
May cause irritating effect.
May be harmful by inhalation.
- **Ingestion:** May be harmful if swallowed.
- **Sensitization:** Data not available
- **Additional toxicological information:**
Each human donor unit used to manufacture this product was tested by FDA accepted methods and found non-reactive for Hepatite B Surface Antigen (HBsAg), antibody to Hepatitis C (HCV) and antibody to HIV-1/HIV-2. This product may also contain other human source material for which there are no approval tests. In accordance with good laboratory practice, all human source material should be considered potentially infectious and handled with the same precautions used with patient specimens.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)** Available information lists no component.
- **NTP (National Toxicology Program)** Available information lists no component.
- **CMR effects**
- **Carcinogenic effects:** Data not available
- **Mutagenicity:** Data not available
- **Reproductive Effects:** Data not available
- **Effects on development:** Data not available

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** At present there are no ecotoxicological assessments.
- **Persistence and degradability** Data not available
- **Behavior in environmental systems:**
- **Bioaccumulative potential** Data not available
- **Mobility in soil** Data not available
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Disposal procedures have to be respected, see Section 13.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Primary packaging:** Glass bottle

14 Transport information

- | | |
|------------------------------------|----------------|
| · UN-Number | Not applicable |
| · DOT, ADR, ADN, IMDG, IATA | - |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | - |

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· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	-
· Packing group	
· DOT, ADR, IMDG, IATA	-
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

15 Regulatory information

- SARA
- Section 302/304 (40CFR355.30 / 40CFR355.40): Available information lists none.
- Section 313 (Specific toxic chemical listings): Not regulated.
- TSCA (Toxic Substances Control Act): This product is regulated by the Food and Drug Administration; it is exempt from requirements of TSCA.
- Proposition 65
- Chemicals known to cause cancer: Available information lists none.
- Chemicals known to cause reproductive toxicity for females: Available information lists none.
- Chemicals known to cause reproductive toxicity for males: Available information lists none.
- Chemicals known to cause developmental toxicity: Available information lists none.
- Carcinogenic categories
- EPA (Environmental Protection Agency) Available information lists none.
- TLV (Threshold Limit Value established by ACGIH) Available information lists none.
- NIOSH-Ca (National Institute for Occupational Safety and Health) Available information lists none.
- OSHA-Ca (Occupational Safety & Health Administration) Available information lists none.
- U. S. State Regulations:
- PA-RTK Available information lists none.
- NJ-RTK Available information lists none.
- MA-RTK Available information lists none.
- RI-RTK Available information lists none.
- US Federal Regulation This mixture is a component of an FDA-regulated IN VITRO diagnostic medical device.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS: Product safety department
- Contact: Product safety department
- Abbreviations and acronyms:
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NOEC : No Observed Effect Concentration
 - EC50: Effective concentration, 50 percent
 - IC50 : Inhibitory concentration, 50 percent.
- * Data compared to the previous version altered.

1 Identification

- **Product identifier**
- **Trade name:** CALBRATOR DILUENT
- **Article number:**
 - Envoy Vital Diagnostics article number : 55111B
 - Eon Vital Diagnostics article number : 77111B
- **Synonyms**
 - Envoy Vital Diagnostics Reagent(s) : Envoy 500 Diluent Calibrator
 - Eon Vital Diagnostics Reagent(s) : Eon Diluent Calibrator
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture**

Reagent for IN VITRO diagnostic

Product included in kit(s) Envoy Vital Diagnostics :

 - Kit composed of two reagents : 55111

Product included in kit(s) Eon Vital Diagnostics :

 - Kit composed of two reagents : 77111
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Manufacturer :

ELITech Clinical Systems SAS

Zone Industrielle

61500 Sées • France

Tel : +33 (0)2 33 81 21 00

Fax : +33 (0)2 33 28 77 51

www.elitechgroup.com

MSDS.ECS-SAS@elitechgroup.com

US Supplier:

Vital Diagnostics Inc.

27 Wellington Road

Lincoln, Rhode Island 02865 USA

(401) 642-8400

(855) 354-8324

www.vitaldiagnostics.com
- **Information department:** Product safety department
- **Emergency telephone number:** Contact your distributor or poison control center in your country.

2 Hazard(s) identification

- **Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
-
- **Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008 -**
 - **Hazard pictograms -**
 - **Signal word -**
 - **Hazard statements -**

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Aqueous solution.
- **Dangerous components:** No dangerous component in reportable quantity.

4 First-aid measures

- **Description of first aid measures**
- **General information:** Show this safety data sheet to the doctor in attendance.
- **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

If required, provide artificial respiration.
- **After skin contact:**

Rinse with water.

If symptoms appear, seek medical advice.
- **After eye contact:**

Protect unharmed eye.

Remove contact lenses, if present and easy to do.

Rinse opened eye for several minutes under running water. If symptoms appear, seek medical advice.
- **After swallowing:**

Never give anything by mouth to an unconscious person.

Rinse out mouth.

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- Seek advice from a doctor or a poison control center.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** Data not available
- **Indication of any immediate medical attention and special treatment needed** Data not available

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** Formation of hazardous vapours/gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** As in any fire, wear a respiratory protective device, and full protective gear.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Ensure adequate ventilation
Prevent formation of aerosols.
Avoid physical contact with material.
- **Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Clean the affected area carefully.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Avoid physical contact with material.
Observe the warnings on the label.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect the product from light. Avoid exposure to heat.
- **Recommended storage temperature:** 2-8 °C
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- **Breathing equipment:**
Under normal conditions, the use of these products should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.
Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Trade name: CALIBRATOR DILUENT

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· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:

Goggles recommended during refilling.

Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Liquid
· Color:	Colorless
· Odor:	Odorless

· pH-value: Data not available

· Change in condition

· Melting point/Melting range:	Not applicable
· Boiling point/Boiling range:	Data not available
· Solidification point:	Data not available

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: Data not available

· Decomposition temperature: Data not available

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Vapor pressure: Data not available

· Density: Data not available

· Vapour density: Data not available

· Evaporation rate: Data not available

· Solubility in / Miscibility with

· Water: Miscible

· Partition coefficient (n-octanol/water): Data not available

· Viscosity:

· Dynamic: Data not available

· Other information: No further relevant information available.

10 Stability and reactivity

· Reactivity See § Possibility of hazardous reactions.

· Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions No dangerous reactions if used according to specifications.

· Conditions to avoid No further relevant information available.

· Incompatible materials: Strong oxidizing agents.

· Hazardous decomposition products: Small quantities of dangerous decomposition products may be formed.

· Additional information: Stable at the recommended storage temperature and if protected from light. Avoid exposure to heat.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity: Data not available

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Trade name: CALIBRATOR DILUENT

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- **Primary irritant effect:**
- **on the skin:** May cause irritating effect.
- **on the eye:** May cause irritating effect.
- **Inhalation:**
- May cause irritating effect.
- May be harmful by inhalation.
- **Ingestion:** May be harmful if swallowed.
- **Sensitization:** Data not available
- **Additional toxicological information:** Data not available
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)** Available information lists no component.
- **NTP (National Toxicology Program)** Available information lists no component.
- **CMR effects**
- **Carcinogenic effects:** Data not available
- **Mutagenicity:** Data not available
- **Reproductive Effects:** Data not available
- **Effects on development:** Data not available

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** At present there are no ecotoxicological assessments.
- **Persistence and degradability** Data not available
- **Behavior in environmental systems:**
- **Bioaccumulative potential** Data not available
- **Mobility in soil** Data not available
- **Additional ecological information:**
- **General notes:**
- Water hazard class 1 (Self-assessment): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Disposal procedures have to be respected, see Section 13.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Primary packaging:** Glass bottle

14 Transport information

· UN-Number · <i>DOT, ADR, ADN, IMDG, IATA</i>	Not applicable -
· UN proper shipping name · <i>DOT, ADR, ADN, IMDG, IATA</i>	-
· Transport hazard class(es) · <i>DOT, ADR, ADN, IMDG, IATA</i> · <i>Class</i>	-
· Packing group · <i>DOT, ADR, IMDG, IATA</i>	-
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	-

15 Regulatory information

- **SARA**
- **Section 302/304 (40CFR355.30 / 40CFR355.40):** Available information lists none.
- **Section 313 (Specific toxic chemical listings):** Not regulated.
- **TSCA (Toxic Substances Control Act):** This product is regulated by the Food and Drug Administration; it is exempt from requirements of TSCA.

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Trade name: CALIBRATOR DILUENT

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- **Proposition 65**
- **Chemicals known to cause cancer:** Available information lists none.
- **Chemicals known to cause reproductive toxicity for females:** Available information lists none.
- **Chemicals known to cause reproductive toxicity for males:** Available information lists none.
- **Chemicals known to cause developmental toxicity:** Available information lists none.
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)** Available information lists none.
- **TLV (Threshold Limit Value established by ACGIH)** Available information lists none.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)** Available information lists none.
- **OSHA-Ca (Occupational Safety & Health Administration)** Available information lists none.
- **U. S. State Regulations:**
- **PA-RTK** Available information lists none.
- **NJ-RTK** Available information lists none.
- **MA-RTK** Available information lists none.
- **RI-RTK** Available information lists none.
- **US Federal Regulation** This mixture is a component of an FDA-regulated IN VITRO diagnostic medical device.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Product safety department
- **Contact:** Product safety department
- **Abbreviations and acronyms:**
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NOEC : No Observed Effect Concentration
 EC50: Effective concentration, 50 percent
 IC50 : Inhibitory concentration, 50 percent.
- *** Data compared to the previous version altered.**

USA