

KIT

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product identifier

Product Name: Anti-GAD65 RIA
 Catalog #: KIPM2071
 Kit Components: ¹²⁵I labeled-tracer
 Reconstitution buffer
 Precipitation buffer
 Protein A
 Calibrators (1 - 6)
 Control sera (CI, CII)

1.2 Intended Use

For In Vitro Diagnostic Use. See product literature for details.

1.3 Company

DIAsource ImmunoAssays S.A.
 Rue du Bosquet, 2
 B-1348 Louvain-la-Neuve
 Belgium
 Tel. Nr. +32 (0)10/84.99.11
 E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.11
 Centre nti-Poisons (BE)070 245 245
 Please refer to your local Anti-Poison Center!

2 TRANSPORT INFORMATION

According to ADR and IATA (Chapter 10.3.1) regulations, shipment below the exemption quantity (1 MBq for Iodine 125) are considered as not dangerous goods. If the shipment exceed this quantity, please refer to the information given below:

Shipping Information	IATA	IMDG	US DOT	European ADR	Canadian TDG
UN/ID Number	2910	2910	2910	2910	2910
Shipping Name	Radioactive Material, excepted package-limited quantity of material				
Hazard Class	7 Radioactive Material	7 Radioactive Material	7 Radioactive Material	7 Radioactive Material	7 Radioactive Materials
Subsidiary Risk	None	None	None	None	None
Classification Code	Not applicable	Not applicable	Not applicable	None	Not applicable
Packing Group					
Special Provisions	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Additional Information					
IATA ERG Code	7L	Not applicable	Not applicable	Not applicable	Not applicable
EmS	Not applicable	F-I, S-S	Not applicable	Not applicable	Not applicable
NAERG Code	Not applicable	Not applicable	161	Not applicable	161

**Environmental
Hazard**

Marine Pollutant Not applicable No Not applicable Not applicable Not applicable

Special Precautions for users: No special precautions for users are required.**3 OTHER INFORMATION**

Not applicable.

TRACER

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product identifier

Product Name: Tracer

Catalog #: Component the kits mentioned on the first page

1.2 Intended Use

For Research Use Only. See product literature for details.

1.3 Company

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.23

Centre Anti-Poisons (BE) 070 245 245

Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product Description Solid

Classification according to EC 1272/2008 (CLP/GHS) Not classified

2.2 Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

No labelling applicable.

2.3 Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Danger symbol No labelling applicable.

Signal word No labelling applicable.

Product Identifier No labelling applicable.

Danger No labelling applicable.

Supplemental Hazard Information -

Prevention statements -

Response statements -

Storage statements -

Disposal statements -

2.4 Other hazards

PBT & vPvB: Contains no PBT/vPvB substances 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

This product contains materials of human and animal origins and should be considered as potentially capable of transmitting infectious diseases.

See Section 11 Toxicological Information for more detailed health information.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4 FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation** Remove person to fresh air and keep comfortable for breathing.
Eye Contact Wash skin with plenty of water.
Skin Contact Rinse eyes with water as a precaution.
Ingestion Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for fire fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus. Complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Ventilate spillage area.

6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental Precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

7.3 Specific end uses

No additional information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available.

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2 Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1 Eye and face protection

Eye protection: Safety glasses.

8.2.2.2 Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Protective gloves.

8.2.2.3 Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4 Thermal hazards

No additional information available

 8.2.3 Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Solid	Decomposition temperature	Not available
Color	Not available	pH	Not available
Odor	Not available	Viscosity, kinematic	Not available
Odor threshold	Not available	Solubility	Not available
Melting point	Not applicable	Partition coefficient n-octanol/water (Log Kow)	Not available
Freezing point	Not available	Vapour pressure	Not available
Boiling point	Not available	Vapour pressure @50°C	Not available
Flammability	Not applicable	Density	Not available
Lower explosion limit	Not available	Relative density	Not available
Upper explosion limit	Not available	Relative vapour density @20°C	Not available
Flash point	Not available		Not available
Auto-ignition temperature	Not available	Particle characteristics	Not available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single expo	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

No additional information available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Not rapidly degradable	

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects


No additional information available.

13 DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14 TRANSPORT INFORMATION

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				
Not regulated for transport				
UN2910	UN2910	UN2910	UN2910	UN2910
14.2 UN proper shipping name				
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	Radioactive material, excepted package — limited quantity of material	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL
Transport documentation description				
UN 2910 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL, 7, (-)	UN 2910 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL, 7 (SP290)	UN 2910 Radioactive material, excepted package	UN 2910 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL, 7, (-)	UN 2910 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL, 7 (SP290)
14.3 Transport hazard class(es)				
7	7	7	7	7
Not applicable		Not applicable	Not applicable	Not applicable
14.4 Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6 Special precautions for user
Overland transport

Special provisions (ADR): 290, 368
 Limited quantities (ADR): 0
 Excepted quantities (ADR): E0

Packing instructions (ADR):	See 1.7
Special packing provisions (ADR):	See 4.1.9.1.3
Transport category (ADR):	4
Special provisions for carriage :	CV33, (See 1.7.1.5.1)
Loading, unloading and handling (ADR)	
Special provisions for carriage - Operation (ADR): S5, S21 Tunnel restriction code (ADR)	: -

Transport by sea

Special provisions (IMDG):	290, 368
Limited quantities (IMDG):	0
Excepted quantities (IMDG):	E0
Packing instructions (IMDG):	4.1.9
Special packing provisions (IMDG):	4.1.9
IBC packing instructions (IMDG):	4.1.9
IBC special provisions (IMDG):	4.1.9
EmS-No. (Fire):	F-I
EmS-No. (Spillage):	S-S
Stowage category (IMDG):	A
Properties and observations (IMDG):	See 1.5.1 and 5.1.5.4.2.

Air transport

PCA Limited quantities (IATA):	Forbidden
PCA limited quantity max net quantity (IATA):	Forbidden
PCA packing instructions (IATA):	See 10.3
PCA max net quantity (IATA):	See 10.3
CAO packing instructions (IATA):	See 10.3
CAO max net quantity (IATA):	See 10.3
Special provisions (IATA):	A130, A193
ERG code (IATA):	7L

Inland waterway transport

Special provisions (ADN):	290, 368
Limited quantities (ADN):	0
Excepted quantities (ADN):	E0
Equipment required (ADN):	PP
Number of blue cones/lights (AND):	0

Rail transport

Special provisions (RID):	290, 368
Limited quantities (RID):	0
Excepted quantities (RID):	E0
Packing instructions (RID):	see 1.7
Special packing provisions (RID):	see 4.1.9.1.3
Transport category (RID):	4
Special provisions for carriage:	CW33 (see 1.7.1.5.1)
- Loading, unloading and handling (RID)	
Colis express (express parcels) (RID):	CE15
Hazard identification number (RID):	70

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION
15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
15.1.1 EU-Regulations
REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2 National regulations

Employment restrictions:

 Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK):

 WGK nwg, Non-hazardous to water
 (Classification according to AwSV, Annex 1). Storage class (LGK, TRGS 510) :
 LGK 12 - Non-combustible liquids.

Joint storage table:

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for:

LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for: LGK 4.1A, LGK 4.3, LGK 5.1C.
 Joint storage permitted for: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.

Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant

ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Advice on any training appropriate for workers to ensure protection of human health and the environment

No data available

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

The information given in this Safety Data Sheet is based on our present knowledge on European and regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it does not guarantee all the product properties particularly in the case of non-identified uses. The product must not be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non-identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

Notification:

English is acceptable for our MSDS as the following conditions are met:

- Medical specialists (users) are well educated in the English language

RECONSTITUTION BUFFER

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product identifier

Product Name: Reconstitution buffer
Catalog #: Component the kits mentioned on the first page

1.2 Intended Use

For Research Use Only. See product literature for details.

1.3 Company

DIAsource ImmunoAssays S.A.
Rue du Bosquet, 2
B-1348 Louvain-la-Neuve
Belgium
Tel. Nr. +32 (0)10/84.99.11
E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.23
Centre Anti-Poisons (BE) 070 245 245
Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product Description Liquid
Classification according to EC 1272/2008 (CLP/GHS) Not classified

2.2 Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

No labelling applicable.

2.3 Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Danger symbol	No labelling applicable.
Signal word	No labelling applicable.
Product Identifier	No labelling applicable.
Danger	No labelling applicable.
Supplemental Hazard Information	-
Prevention statements	-
Response statements	-
Storage statements	-
Disposal statements	-

2.4 Other hazards

PBT & vPvB: Contains no PBT/vPvB substances 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

This product contains materials of human and animal origins and should be considered as potentially capable of transmitting infectious diseases.

See Section 11 Toxicological Information for more detailed health information.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4 FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation** Remove person to fresh air and keep comfortable for breathing.
Eye Contact Wash skin with plenty of water.
Skin Contact Rinse eyes with water as a precaution.
Ingestion Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for fire fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus. Complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Ventilate spillage area.

6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental Precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

7 HANDLING AND STORAGE**7.1 Precautions for safe handling**

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

7.3 Specific end uses

No additional information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****8.1.1 National occupational exposure and biological limit values**

No additional information available.

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 Exposure controls**8.2.1 Appropriate engineering controls****Appropriate engineering controls:**

Ensure good ventilation of the work station.

8.2.2 Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1 Eye and face protection

Eye protection: Safety glasses.

8.2.2.2 Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Protective gloves.

8.2.2.3 Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4 Thermal hazards

No additional information available

8.2.3 Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid	Decomposition temperature	Not available
Color	Not available	pH	Not available
Odor	Not available	Viscosity, kinematic	Not available
Odor threshold	Not available	Solubility	Not available
Melting point	Not applicable	Partition coefficient n-octanol/water (Log Kow)	Not available
Freezing point	Not available	Vapour pressure	Not available
Boiling point	Not available	Vapour pressure @50°C	Not available
Flammability	Not applicable	Density	Not available
Lower explosion limit	Not available	Relative density	Not available
Upper explosion limit	Not available	Relative vapour density @20°C	Not available
Flash point	Not available		Not available
Auto-ignition temperature	Not available	Particle characteristics	Not available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single expo	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

No additional information available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Not rapidly degradable	

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available.

13 DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14 TRANSPORT INFORMATION

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				
Not regulated for transport				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.1 Special precautions for user
Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.2 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION
15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
15.1.1 EU-Regulations
REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2 National regulations

Employment restrictions:

 Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK):

 WGK nwg, Non-hazardous to water
 (Classification according to AwSV, Annex 1). Storage class (LGK, TRGS 510) :
 LGK 12 - Non-combustible liquids.

Joint storage table:

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for:

LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for: LGK 4.1A, LGK 4.3, LGK 5.1C.
 Joint storage permitted for: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.

Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant

ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Advice on any training appropriate for workers to ensure protection of human health and the environment

No data available

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

The information given in this Safety Data Sheet is based on our present knowledge on European and regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it does not guarantee all the product properties particularly in the case of non-identified uses. The product must not be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non-identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

Notification:

English is acceptable for our MSDS as the following conditions are met:

- Medical specialists (users) are well educated in the English language

PRECIPITATION BUFFER

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product identifier

Product Name: Precipitation buffer
Catalog #: Component the kits mentioned on the first page

1.2 Intended Use

For Research Use Only. See product literature for details.

1.3 Company

DIAsource ImmunoAssays S.A.
Rue du Bosquet, 2
B-1348 Louvain-la-Neuve
Belgium
Tel. Nr. +32 (0)10/84.99.11
E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.23
Centre Anti-Poisons (BE) 070 245 245
Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product Description Liquid
Classification according to EC 1272/2008 (CLP/GHS) Not classified

2.2 Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

No labelling applicable.

2.3 Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Danger symbol	No labelling applicable.
Signal word	No labelling applicable.
Product Identifier	No labelling applicable.
Danger	No labelling applicable.
Supplemental Hazard Information	-
Prevention statements	-
Response statements	-
Storage statements	-
Disposal statements	-

2.4 Other hazards

PBT & vPvB: Contains no PBT/vPvB substances 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

This product contains materials of human and animal origins and should be considered as potentially capable of transmitting infectious diseases.

See Section 11 Toxicological Information for more detailed health information.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4 FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation** Remove person to fresh air and keep comfortable for breathing.
Eye Contact Wash skin with plenty of water.
Skin Contact Rinse eyes with water as a precaution.
Ingestion Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for fire fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus. Complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Ventilate spillage area.

6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental Precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

7 HANDLING AND STORAGE**7.1 Precautions for safe handling**

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

7.3 Specific end uses

No additional information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****8.1.1 National occupational exposure and biological limit values**

No additional information available.

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 Exposure controls**8.2.1 Appropriate engineering controls****Appropriate engineering controls:**

Ensure good ventilation of the work station.

8.2.2 Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1 Eye and face protection

Eye protection: Safety glasses.

8.2.2.2 Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Protective gloves.

8.2.2.3 Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4 Thermal hazards

No additional information available

 8.2.3 Environmental exposure controls
Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid	Decomposition temperature	Not available
Color	Not available	pH	Not available
Odor	Not available	Viscosity, kinematic	Not available
Odor threshold	Not available	Solubility	Not available
Melting point	Not applicable	Partition coefficient n-octanol/water (Log Kow)	Not available
Freezing point	Not available	Vapour pressure	Not available
Boiling point	Not available	Vapour pressure @50°C	Not available
Flammability	Not applicable	Density	Not available
Lower explosion limit	Not available	Relative density	Not available
Upper explosion limit	Not available	Relative vapour density @20°C	Not available
Flash point	Not available		Not available
Auto-ignition temperature	Not available	Particle characteristics	Not available

9.2 Other information

 9.2.1 Information with regard to physical hazard classes

No additional information available

 9.2.2 Other safety characteristics

No additional information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single expo	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

No additional information available.

12 ECOLOGICAL INFORMATION**12.1 Ecotoxicity****Ecology - general**

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute)

Not classified

Hazardous to the aquatic environment, long-term (chronic)

Not classified

Not rapidly degradable

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

No additional information available.

13 DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14 TRANSPORT INFORMATION

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				
Not regulated for transport				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.1 Special precautions for user
Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.2 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION
15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
15.1.1 EU-Regulations
REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

 15.1.2 National regulations

Employment restrictions:

 Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK):

 WGK nwg, Non-hazardous to water
 (Classification according to AwSV, Annex 1). Storage class (LGK, TRGS 510) :
 LGK 12 - Non-combustible liquids.

Joint storage table:

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for:

LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for:

LGK 4.1A, LGK 4.3, LGK 5.1C.

Joint storage permitted for:

 LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2,
 LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A,
 LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK
 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-
 13.

Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Advice on any training appropriate for workers to ensure protection of human health and the environment

No data available

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

The information given in this Safety Data Sheet is based on our present knowledge on European and regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it does not guarantee all the product properties particularly in the case of non-identified uses. The product must not be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non-identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

Notification:

English is acceptable for our MSDS as the following conditions are met:

- Medical specialists (users) are well educated in the English language

PROTEIN A

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product identifier

Product Name: Protein A
Catalog #: Component the kits mentioned on the first page

1.2 Intended Use

For Research Use Only. See product literature for details.

1.3 Company

DIAsource ImmunoAssays S.A.
Rue du Bosquet, 2
B-1348 Louvain-la-Neuve
Belgium
Tel. Nr. +32 (0)10/84.99.11
E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.23
Centre Anti-Poisons (BE) 070 245 245
Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product Description Solid
Classification according to EC 1272/2008 (CLP/GHS) Not classified

2.2 Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

No labelling applicable.

2.3 Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Danger symbol	No labelling applicable.
Signal word	No labelling applicable.
Product Identifier	No labelling applicable.
Danger	No labelling applicable.
Supplemental Hazard Information	-
Prevention statements	-
Response statements	-
Storage statements	-
Disposal statements	-

2.4 Other hazards

PBT & vPvB: Contains no PBT/vPvB substances 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

This product contains materials of human and animal origins and should be considered as potentially capable of transmitting infectious diseases.

See Section 11 Toxicological Information for more detailed health information.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4 FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation** Remove person to fresh air and keep comfortable for breathing.
Eye Contact Wash skin with plenty of water.
Skin Contact Rinse eyes with water as a precaution.
Ingestion Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for fire fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus. Complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Ventilate spillage area.

6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental Precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

7.3 Specific end uses

No additional information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available.

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2 Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1 Eye and face protection

Eye protection: Safety glasses.

8.2.2.2 Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Protective gloves.

8.2.2.3 Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4 Thermal hazards

No additional information available

 8.2.3 Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Solid	Decomposition temperature	Not available
Color	Not available	pH	Not available
Odor	Not available	Viscosity, kinematic	Not available
Odor threshold	Not available	Solubility	Not available
Melting point	Not applicable	Partition coefficient n-octanol/water (Log Kow)	Not available
Freezing point	Not available	Vapour pressure	Not available
Boiling point	Not available	Vapour pressure @50°C	Not available
Flammability	Not applicable	Density	Not available
Lower explosion limit	Not available	Relative density	Not available
Upper explosion limit	Not available	Relative vapour density @20°C	Not available
Flash point	Not available		Not available
Auto-ignition temperature	Not available	Particle characteristics	Not available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single expo	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

No additional information available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Not rapidly degradable	

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

No additional information available.

13 DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14 TRANSPORT INFORMATION

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				
Not regulated for transport				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.1 Special precautions for user
Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.2 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION
15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
15.1.1 EU-Regulations
REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

 15.1.2 National regulations

Employment restrictions:

 Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK):

 WGK nwg, Non-hazardous to water
 (Classification according to AwSV, Annex 1). Storage class (LGK, TRGS 510) :
 LGK 12 - Non-combustible liquids.

Joint storage table:

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for:

LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for:

LGK 4.1A, LGK 4.3, LGK 5.1C.

Joint storage permitted for:

 LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2,
 LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A,
 LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK
 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-
 13.

Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

ED	Endocrine disrupting properties
----	---------------------------------

Advice on any training appropriate for workers to ensure protection of human health and the environment

No data available

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

The information given in this Safety Data Sheet is based on our present knowledge on European and regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it does not guarantee all the product properties particularly in the case of non-identified uses. The product must not be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non-identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

Notification:

English is acceptable for our MSDS as the following conditions are met:

- Medical specialists (users) are well educated in the English language

CALIBRATORS

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product identifier

Product Name: Calibrators
Catalog #: Component the kits mentioned on the first page

1.2 Intended Use

For Research Use Only. See product literature for details.

1.3 Company

DIAsource ImmunoAssays S.A.
Rue du Bosquet, 2
B-1348 Louvain-la-Neuve
Belgium
Tel. Nr. +32 (0)10/84.99.11
E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.23
Centre Anti-Poisons (BE) 070 245 245
Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product Description Liquid
Classification according to EC 1272/2008 (CLP/GHS) Not classified

2.2 Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

No labelling applicable.

2.3 Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Danger symbol	No labelling applicable.
Signal word	No labelling applicable.
Product Identifier	No labelling applicable.
Danger	No labelling applicable.
Supplemental Hazard Information	-
Prevention statements	-
Response statements	-
Storage statements	-
Disposal statements	-

2.4 Other hazards

PBT & vPvB: Contains no PBT/vPvB substances 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

This product contains materials of human and animal origins and should be considered as potentially capable of transmitting infectious diseases.

See Section 11 Toxicological Information for more detailed health information.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4 FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation** Remove person to fresh air and keep comfortable for breathing.
Eye Contact Wash skin with plenty of water.
Skin Contact Rinse eyes with water as a precaution.
Ingestion Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for fire fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus. Complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Ventilate spillage area.

6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental Precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

7 HANDLING AND STORAGE**7.1 Precautions for safe handling**

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

7.3 Specific end uses

No additional information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****8.1.1 National occupational exposure and biological limit values**

No additional information available.

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 Exposure controls**8.2.1 Appropriate engineering controls****Appropriate engineering controls:**

Ensure good ventilation of the work station.

8.2.2 Personal protection equipment**Personal protective equipment symbol(s):****8.2.2.1 Eye and face protection**

Eye protection: Safety glasses.

8.2.2.2 Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Protective gloves.

8.2.2.3 Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4 Thermal hazards

No additional information available

 8.2.3 Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid	Decomposition temperature	Not available
Color	Not available	pH	Not available
Odor	Not available	Viscosity, kinematic	Not available
Odor threshold	Not available	Solubility	Not available
Melting point	Not applicable	Partition coefficient n-octanol/water (Log Kow)	Not available
Freezing point	Not available	Vapour pressure	Not available
Boiling point	Not available	Vapour pressure @50°C	Not available
Flammability	Not applicable	Density	Not available
Lower explosion limit	Not available	Relative density	Not available
Upper explosion limit	Not available	Relative vapour density @20°C	Not available
Flash point	Not available		Not available
Auto-ignition temperature	Not available	Particle characteristics	Not available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single expo	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

No additional information available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Not rapidly degradable	

12.2 Persistence and degradability

. No additional information available

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available.

13 DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14 TRANSPORT INFORMATION

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				
Not regulated for transport				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.1 Special precautions for user
Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.2 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION
15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
15.1.1 EU-Regulations
REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

 15.1.2 National regulations

Employment restrictions:

 Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK):

 WGK nwg, Non-hazardous to water
 (Classification according to AwSV, Annex 1). Storage class (LGK, TRGS 510) :
 LGK 12 - Non-combustible liquids.

Joint storage table:

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for:

LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for:

LGK 4.1A, LGK 4.3, LGK 5.1C.

Joint storage permitted for:

LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.

Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

ED	Endocrine disrupting properties
----	---------------------------------

Advice on any training appropriate for workers to ensure protection of human health and the environment

No data available

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

The information given in this Safety Data Sheet is based on our present knowledge on European and regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it does not guarantee all the product properties particularly in the case of non-identified uses. The product must not be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non-identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

Notification:

English is acceptable for our MSDS as the following conditions are met:

- Medical specialists (users) are well educated in the English language

CONTROLS

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product identifier

Product Name: Controls

Catalog #: Component the kits mentioned on the first page

1.2 Intended Use

For Research Use Only. See product literature for details.

1.3 Company

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.23

Centre Anti-Poisons (BE) 070 245 245

Please refer to your local Anti-Poison Center!

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product Description Liquid

Classification according to EC 1272/2008 (CLP/GHS) Not classified

2.2 Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

No labelling applicable.

2.3 Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Danger symbol No labelling applicable.

Signal word No labelling applicable.

Product Identifier No labelling applicable.

Danger No labelling applicable.

Supplemental Hazard Information -

Prevention statements -

Response statements -

Storage statements -

Disposal statements -

2.4 Other hazards

PBT & vPvB: Contains no PBT/vPvB substances 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

This product contains materials of human and animal origins and should be considered as potentially capable of transmitting infectious diseases.

See Section 11 Toxicological Information for more detailed health information.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4 FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation** Remove person to fresh air and keep comfortable for breathing.
Eye Contact Wash skin with plenty of water.
Skin Contact Rinse eyes with water as a precaution.
Ingestion Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for fire fighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus. Complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Ventilate spillage area.

6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental Precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

7.3 Specific end uses

No additional information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available.

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2 Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1 Eye and face protection

Eye protection: Safety glasses.

8.2.2.2 Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Protective gloves.

8.2.2.3 Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4 Thermal hazards

No additional information available

 8.2.3 Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid	Decomposition temperature	Not available
Color	Not available	pH	Not available
Odor	Not available	Viscosity, kinematic	Not available
Odor threshold	Not available	Solubility	Not available
Melting point	Not applicable	Partition coefficient n-octanol/water (Log Kow)	Not available
Freezing point	Not available	Vapour pressure	Not available
Boiling point	Not available	Vapour pressure @50°C	Not available
Flammability	Not applicable	Density	Not available
Lower explosion limit	Not available	Relative density	Not available
Upper explosion limit	Not available	Relative vapour density @20°C	Not available
Flash point	Not available		Not available
Auto-ignition temperature	Not available	Particle characteristics	Not available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single expo	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

No additional information available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Not rapidly degradable	

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

No additional information available.

13 DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14 TRANSPORT INFORMATION

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				
Not regulated for transport				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.1 Special precautions for user
Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.2 Maritime transport in bulk according to IMO instruments

Not applicable

15 REGULATORY INFORMATION
15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
15.1.1 EU-Regulations
REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

 15.1.2 National regulations

Employment restrictions:

 Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK):

 WGK nwg, Non-hazardous to water
 (Classification according to AwSV, Annex 1). Storage class (LGK, TRGS 510) :
 LGK 12 - Non-combustible liquids.

Joint storage table:

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for:

LGK 1, LGK 6.2, LGK 7.

Joint storage with restrictions permitted for:

LGK 4.1A, LGK 4.3, LGK 5.1C.

Joint storage permitted for:

 LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2,
 LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A,
 LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK
 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-
 13.

Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

ED	Endocrine disrupting properties
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Advice on any training appropriate for workers to ensure protection of human health and the environment

No data available

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

The information given in this Safety Data Sheet is based on our present knowledge on European and regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it does not guarantee all the product properties particularly in the case of non-identified uses. The product must not be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non-identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

Notification:

English is acceptable for our MSDS as the following conditions are met:

- Medical specialists (users) are well educated in the English language

MSDS established : 2023-08-01

Revision number : 4