

# **SAFETY DATA SHEET**

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

## **1.1 Product identifier**

Product No.:	Product name:	Common name(s), synonym(s)
566928	BD Horizon™ R718 Mouse IgG1, к Isotype Control	No data available
566929	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD4	No data available
566930	BD Horizon™ R718 Mouse Anti-Human CD4	No data available
566931	BD Horizon™ R718 Mouse Anti-Human CD4	No data available
566932	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD11c	No data available
566933	BD Horizon™ R718 Mouse Anti-Human CD11c	No data available
566934	BD Horizon™ R718 Mouse Anti-Human CD11c	No data available
566935	BD Horizon™ R718 Mouse Anti-Human	No data available



	FoxP3	
566936	BD Horizon™ R718 Mouse Anti-Human FoxP3	No data available
566937	BD Horizon <sup>™</sup> R718 Mouse Anti-Human FoxP3	No data available
566938	BD Horizon™ R718 Mouse Anti-Human IL- 17A	No data available
566939	BD Horizon™ R718 Rat Anti-Mouse CD4	No data available
566940	BD Horizon <sup>™</sup> R718 Rat Anti-Mouse CD4	No data available
566941	BD Horizon™ R718 Rat IgG2a, к Isotype Control	No data available
566942	BD Horizon™ R718 Rat Anti-Mouse Zbtb7b (ThPok)	No data available
566943	BD Horizon™ R718 Rat IgG2b, к Isotype Control	No data available
566946	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD19	No data available
566947	BD Horizon™ R718 Mouse Anti-Human CD19	No data available
566948	BD Horizon™ R718 Rat IgG1, к Isotype Control	No data available



566949	BD Horizon™ R718 Mouse IgG2a, к Isotype Control	No data available
566950	BD Horizon™ R718 Rat IgM, к Isotype Control	No data available
566951	BD Horizon™ R718 Hamster IgG1, к Isotype	No data available
566952	BD Horizon™ R718 Mouse IgG2b, к Isotype Control	No data available
566953	BD Horizon™ R718 Mouse Anti-Human CD3	No data available
566954	BD Horizon™ R718 Mouse Anti-Human CD3	No data available
566955	BD Horizon™ R718 Mouse Anti-Human CD3	No data available
566956	BD Horizon™ R718 Mouse Anti-Human CD3	No data available
566957	BD Horizon™ R718 Mouse Anti-Human TNF	No data available
566958	BD Horizon <sup>™</sup> R718 Mouse Anti-Human TNF	No data available
566959	BD Horizon™ R718 Mouse Anti-Human IFN-γ	No data available
566960	BD Horizon <sup>™</sup> R718 Mouse Anti-Human IFN-γ	No data available
566961	BD Horizon™ R718	No data available



	Mouse Anti-Human CD45	
566962	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD45	No data available
566963	BD Horizon™ R718 Mouse Anti-Ki-67	No data available
566964	BD Horizon™ R718 Mouse Anti-Human Granzyme B	No data available
566965	BD Horizon™ R718 Mouse Anti-Human CD56 (NCAM-1)	No data available
566966	BD Horizon™ R718 Mouse Anti-Human CD56 (NCAM-1)	No data available
566967	BD Horizon™ R718 Mouse Anti-Human CD127	No data available
566968	BD Horizon™ R718 Mouse Anti-Human CD127	No data available
566969	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD16	No data available
566970	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD16	No data available
566971	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD33	No data available
566972	BD Horizon™ R718	No data available



	Mouse Anti-Human CD33	
566973	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD34	No data available
566974	BD Horizon™ R718 Mouse Anti-Human CD279 (PD-1)	No data available
566975	BD Horizon™ R718 Mouse Anti-Human CD279 (PD-1)	No data available
566976	BD Horizon <sup>™</sup> R718 Mouse Anti-Human Granzyme A	No data available
566977	BD Phosflow™ R718 Mouse Anti-Stat5 (pY694)	No data available
566978	BD Phosflow™ R718 Mouse Anti-Stat5 (pY694)	No data available
566979	BD Horizon™ R718 Mouse Anti-Bcl-6	No data available
566980	BD Horizon <sup>™</sup> R718 Rat Anti-Human IL-4	No data available
566981	BD Horizon <sup>™</sup> R718 Rat Anti-Human IL-4	No data available
566982	BD Horizon <sup>™</sup> R718 Rat Anti-Mouse CD13	No data available
566983	BD Phosflow <sup>™</sup> R718 Mouse Anti-Stat1	No data available



	(pY701)	
566984	BD Phosflow <sup>™</sup> R718 Mouse Anti-Stat1 (pY701)	No data available
566985	BD Horizon™ R718 Rat Anti-Mouse CD8a	No data available
566986	BD Horizon™ R718 Rat Anti-Mouse CD107a (LAMP-1)	No data available
566987	BD Horizon <sup>™</sup> R718 Rat Anti-Mouse Ly-6C	No data available
566988	BD Horizon <sup>™</sup> R718 Mouse Anti-Human CD20	No data available
566989	BD Horizon™ R718 Mouse Anti-Human CD20	No data available
566990	BD Horizon <sup>™</sup> R718 Armenian Hamster Anti- ICOS (CD278)	No data available
566991	BD Horizon <sup>™</sup> R718 Armenian Hamster Anti- ICOS (CD278)	No data available
566993	BD Horizon™ R718 Mouse Anti-Bcl-6	No data available

## 1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses: Scientific and industrial laboratory use. For research use only. Uses advised against: Not for use in diagnostic or therapeutic procedures.

## **1.3 Details of the supplier of the safety data sheet** Manufacturer

Becton Dickinson France S.A.S. Belgian GB

Telephone: 32 2 400 98 95



Branch Erembodegem-Dorp 86 Erembodegem 9320 Belgium Fax: 32 2 401 70 94

 Contact Person: BD Biosciences - Centralized European Office Regulatory Compliance Department
 E-mail: help.biosciences@europe.bd.com
 1.4 Emergency telephone number: 32 2 400 98 95

## SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

#### Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

- 2.2 Label Elements Not applicable
- **2.3 Other hazards** No data available.

## **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

No hazardous ingredients.

**General information:** 

Regulation No. 1272/2008.

## **SECTION 4: First aid measures**

## General:

Get medical attention if symptoms occur.



## 4.1 Description of first aid measures

Inhalation:	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
Skin Contact:	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
Ingestion:	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
4.2 Most important symptoms and effects, both acute and	No data available.

- **4.3 Indication of any immediate medical attention and special treatment needed Hazards:** No data available.
  - Treatment: No data available.

## SECTION 5: Firefighting measures

delayed:

General Fire Hazards:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.	
5.1 Extinguishing media Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Not applicable	
5.2 Special hazards arising from the substance or mixture:	Fire or excessive heat may produce hazardous decomposition products.	
5.3 Advice for firefighters		



Special fire fighting procedures:	No unusual fire or explosion hazards noted.
Special protective	Firefighters must use standard protective equipment including
equipment for fire-	flame retardant coat, helmet with face shield, gloves, rubber
fighters:	boots, and in enclosed spaces, SCBA.

## SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Contact local authorities in case of spillage to drain/aquatic environment. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
6.2 Environmental Precautions:	Avoid release to the environment.
6.3 Methods and material for containment and cleaning up:	Absorb spillage with suitable absorbent material. Prevent runoff from entering drains, sewers, or streams. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.
6.4 Reference to other sections:	No data available.

## SECTION 7: Handling and storage:

7.1 Precautions for safe handling:	When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.
7.2 Conditions for safe storage, including any incompatibilities:	Store in a cool, dry place. Keep container tightly closed.
7.3 Specific end use(s):	Reserved for industrial and professional use. Read label before use.

#### **SECTION 8: Exposure controls/personal protection**



8.1 Control Parameters Occupational Exposure L	<b>imits</b> None of the components have assigned exposure limits.
Biological Limit Values	None.
8.2 Exposure controls Appropriate Engineering Controls:	No special requirements under ordinary conditions of use and with adequate ventilation.
Individual protection me	asures, such as personal protective equipment
General information:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin protection Hand Protection:	Chemical resistant gloves Suitable gloves can be recommended by the glove supplier. Wash hands after contact.
Other:	Wear a lab coat or similar protective clothing.
Respiratory Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Hygiene measures:	Observe good industrial hygiene practices.
Environmental Controls:	No data available.

## SECTION 9: Physical and chemical properties



## **9.1 Information on basic physical and chemical properties** Appearance

Appearance	
Physical state:	liquid
Form:	liquid
Color:	Blue
Odor:	Odorless
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	No data available.
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n- octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.
9.2 Other information	
Molecular weight:	No data available.
VOC Content:	No data available.
Bulk density:	No data available.
Dust Explosion Limit, Upper:	No data available.
Dust Explosion Limit, Lower:	No data available.





Dust Explosion Description Number Kst:	No data available.
Minimum ignition energy:	No data available.
Minimum ignition temperature:	No data available.
Metal Corrosion:	No data available.

## SECTION 10: Stability and reactivity

10.1 Reactivity:	Material is stable under normal conditions.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Not determined.
10.4 Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
10.5 Incompatible Materials:	Metals. Water reactive material.
10.6 Hazardous Decomposition Products:	Stable; however, may decompose if heated.

## SECTION 11: Toxicological information

Information on likely Inhalation:	routes of exposure No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

#### **11.1 Information on toxicological effects**

## **Acute toxicity**



Oral		
Product:	Not classified for acute toxicity based on available data.	
Dermal Product:	Not classified for acute toxicity based on available data.	
Inhalation Product:	Not classified for acute toxicity based on available data.	
Repeated dose toxicity Product:	No data available.	
Skin Corrosion/Irritation: Product:	No data available.	
Serious Eye Damage/Eye Irritation: Product:	No data available.	
Respiratory or Skin Sensitization: Product:	No data available.	
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Carcinogenicity Product: SDS_GB	No data available.	13



Reproductive toxicityProduct:No data available.

Specific Target Organ Toxicity - Single ExposureProduct:No data available.

Specific Target Organ Toxicity - Repeated ExposureProduct:No data available.

Aspiration Hazard Product: No data available.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

Acute toxicity

Fish Product:

No data available.

Aquatic InvertebratesProduct:No data available.

**Chronic Toxicity** 

Fish

Product: No data available.

#### **Aquatic Invertebrates**



Product:

No data available.

Toxicity to Aquatic PlantsProduct:No data available.

## **12.2 Persistence and Degradability**

Biodegradation Product: No data available.

- BOD/COD Ratio Product No data available.
- 12.3 Bioaccumulative potential Product: No data available.
- **12.4 Mobility in soil:**<br/>Product:No data available.
- **12.5 Results of PBT and vPvB assessment:Product:**No data available.
- **12.6 Other adverse** No data available. effects:

## **SECTION 13: Disposal considerations**

## **13.1 Waste treatment methods**

General information:	Dispose of waste and residues in accordance with local authority requirements.
Disposal methods:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.



## **SECTION 14: Transport information**

ADR	
14.1 UN Number: 14.2 UN Proper Shipping Name: 14.3 Transport Hazard Class(es)	Not regulated. Not regulated.
Class: Label(s): Hazard No. (ADR): Tunnel restriction code: 14.4 Packing Group:	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.
14.5 Environmental Hazards: Marine Pollutant:	Not regulated. Not regulated.
14.6 Special precautions for user:	Not regulated.
ADN	
14.1 UN Number: 14.2 UN Proper Shipping Name: 14.3 Transport Hazard Class(es) Class: Label(s): Hazard No. (ADR): Tunnel restriction code: 14.4 Packing Group:	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.
14.5 Environmental Hazards: Marine Pollutant:	Not regulated. Not regulated.
14.6 Special precautions for user:	Not regulated.

## RID

14.1 UN Number: 14.2 UN Proper Shipping Name	Not regulated. Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.



14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards: Marine Pollutant:	Not regulated. Not regulated.
14.6 Special precautions for user:	Not regulated.
IMDG 14.1 UN Number: 14.2 UN Proper Shipping Name: 14.3 Transport Hazard Class(es) Class: Label(s): EmS No.: 14.4 Packing Group:	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.
14.4 Packing Gloup: 14.5 Environmental Hazards: Marine Pollutant:	Not regulated. Not regulated. Not regulated.
14.6 Special precautions for user:	Not regulated.

## ΙΑΤΑ

14.1 UN Number:	Not regulated.
14.2 Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es):	
Class:	Not regulated.
Label(s):	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
Marine Pollutant:	Not regulated.
14.6 Special processions for	Not regulated
14.6 Special precautions for	Not regulated.
user:	

## 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not



applicable

## **SECTION 15: Regulatory information**

**15.1** Safety, health and environmental regulations/legislation specific for the substance or mixture:

#### **EU Regulations**

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
sodium azide	26628-22-8	0 - <0.1%





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sodium hydroxide; caustic soda 1310-73-2 0 - <0.1%
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**15.2 Chemical safety** No Chemical Safety Assessment has been carried out. **assessment:** 

SECTION 16: Other information	
<b>Revision Information:</b>	Not relevant.
References PBT vPvB	PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.
Key literature references and sources for data:	European Chemicals Agency (ECHA): Information on Chemicals.
Wording of the H-stateme	ents in section 2 and 3: none
Training information:	No data available.
Issue Date: SDS No.: Disclaimer:	<ul> <li>26.04.2021</li> <li>UN0000000000566928-4012-1-01</li> <li>Disclaimer:</li> <li>The information contained herein has been obtained from various sources and is believed to be correct as of the date issued.</li> <li>However, neither BD nor any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability for a particular use of any material is the sole responsibility of the user.</li> <li>All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. BD provides SDS in electronic form so the information may be more easily accessed. Due to the possibility of errors during transmission, BD makes no representations as to the completeness or accuracy of the information.</li> </ul>

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