

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)
560924	BD Pharmingen [™] PE- Cy [™] 7 Mouse Anti-Human IFN-γ	

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 Branch Erembodegem-Dorp 86 Erembodegem 9320 Belgium

Telephone: 32 2 400 98 95 **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

General information:

No hazardous ingredients.

Regulation No. 1272/2008.

SECTION 4: First aid measures	
General:	Get medical attention if symptoms occur.
4.1 Description of first aid I	neasures
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 delayed:	No data available.
4.3 Indication of any imme Hazards:	diate medical attention and special treatment needed No data available.

Treatment: No data available.



SECTION 5: Firefighting measures **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 Use fire-extinguishing media appropriate for surrounding media: materials. Unsuitable Not applicable extinguishing media: 5.2 Special hazards arising Fire or excessive heat may produce hazardous decomposition from the substance or products. mixture: 5.3 Advice for firefighters Special fire fighting No unusual fire or explosion hazards noted. procedures: **Special protective** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber equipment for firefighters: 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	imits
	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	
Physical state:	liquid
Form:	liquid
Color:	Pink
Odor:	Odorless
Odor Threshold:	No data available.
pH:	7.40
Freezing point:	The physical-chemical properties of this material have not been fully investigated.
Boiling Point:	No data available.
Flash Point:	The physical-chemical properties of this material have not been fully investigated.
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.
Vapor density (air=1):	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	The physical-chemical properties of this material have not been fully investigated.
Partition coefficient (n- octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity:	Not determined.
NS GB	5/1



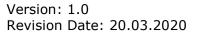
Explosive properties:	No data available.
Oxidizing properties:	No data available.
9.2 Other information	
Molecular weight:	No data available.
VOC Content:	No data available.
Bulk density:	No data available.
Dust Explosion Limit, Upper:	No data available.
Dust Explosion Limit, Lower:	No data available.
Dust Explosion Description	No data available.
Number Kst:	
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

General information:	No data on possible toxicity effects have been found.
Information on likely re	outes of exposure
Inhalation:	Limited inhalation hazard at normal work temperatures.
Ingestion:	No harmful effects expected in amounts likely to be ingested by accident.





Skin Contact:	Negligible irritation to skin at ambient temperatures.
Eye contact:	Elevated temperatures or mechanical action may form vapors, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs.

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:

No data available.

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

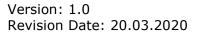
Acute toxicity

Fish

Product: No negative effects on the aquatic environment are known.

Aquatic Invertebrates	
Product:	No negative effects on the aquatic environment are known.

Chronic Toxicity





12.6 Other adverse effects:	The product is not expected to be hazardous to the environment.
2.5 Results of PBT and Product:	vPvB assessment: No data available.
2.4 Mobility in soil: Product:	No data available.
12.3 Bioaccumulative po Product:	otential No data available.
BOD/COD Ratio Product	No data available.
Biodegradation Product:	Expected to be readily biodegradable.
2.2 Persistence and De	gradability
Toxicity to Aquatic P Product:	Plants No negative effects on the aquatic environment are known.
Aquatic Invertebrate Product:	es No negative effects on the aquatic environment are known.
Product:	No negative effects on the aquatic environment are known.

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

ADF	<pre>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:</pre>	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.
AD	 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: 14.5 Environmental Hazards: Marine Pollutant: 14.6 Special precautions for user: 	Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated. Not regulated.

RID

14.1 UN Number: 14.2 UN Proper Shipping Name 14.3 Transport Hazard Class(es)	Not regulated. Not regulated.
Class: Label(s):	Not regulated. Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.

Not regulated.

Marine Pollutant:



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)	Not regulated. Not regulated.
Class:	Not regulated.
Label(s):	Not regulated.
EmS No.:	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
Marine Pollutant:	Not regulated.
14.6 Special precautions for user:	Not regulated.

ΙΑΤΑ

14.1 UN Number: 14.2 Proper Shipping Name: 14.3 Transport Hazard Class(es):	Not regulated. Not regulated.
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 precautions for user:	Not regulated.

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. 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

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:

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

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%

15.2 Chemical safety No Chemical Safety Assessment has been carried out. **assessment:**

SECTION 16: Other information

Revision Information: 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-statements in section 2 and 3: none	
Training information:	No data available.
Issue Date: SDS No.: Disclaimer:	20.03.2020 UN0000000000560924-4012-1-01 Disclaimer: The information contained herein has been obtained from various sources and is believed to be correct as of the date issued. 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. 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.