

Becton, Dickinson and Company BD, Franklin Lakes, NJ 07417 USA www.bd.com Last revised date: 06.06.2024

SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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)
557690	BD Pharmingen™ Alexa Fluor™ 647 Rat IgG2a, κ Isotype Control	No data available
560230	BD Pharmingen™ Alexa Fluor™ 647 Rat anti- Mouse CD34	No data available
558156	BD Pharmingen™ Alexa Fluor™ 647 Mouse Anti-Human CD205	No data available
561611	BD Pharmingen™ Alexa Fluor™ 647 Mouse Anti-Rat CD8a	No data available
561612	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti- Mouse CD106	No data available
560766	BD Pharmingen™ Alexa Fluor™ 647 Rat anti- Mouse CD197 (CCR7)	No data available
560233	BD Pharmingen™ Alexa Fluor™ 647 Rat anti- Mouse CD34	No data available
557681	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti- Mouse CD4	No data available
557914	BD Pharmingen™ Alexa Fluor™ 647 Mouse anti-Human CD191	No data available
558042	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti- Human CD294	No data available
562112	BD Pharmingen™ Alexa Fluor™ 647 Hamster IgG2, λ1 Isotype Control	No data available
562113	BD Pharmingen™ Alexa Fluor™ 647 Hamster Anti-Rat/Mouse CD49a	No data available
557731	BD Pharmingen™ Alexa Fluor™ 647 Rat IgG1, κ Isotype Control	No data available
562156	BD Pharmingen™ Alexa Fluor™ 647 Mouse Anti-Rat IL-10	No data available
561630	BD Pharmingen™ Alexa Fluor™ 647 Mouse anti-Mouse IL-17F	No data available
562242	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti- Mouse CD144	No data available
561753	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti- Mouse CD196	No data available

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BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 557863 Anti-Human CD194 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 557684 Mouse CD19 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 557683 Mouse CD45R BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 558208 Anti-Human CD193 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 557975 Anti-Human CD199 (CCR9) BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 561745 Anti-Human CD193 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 561797 Human CD294 BD Pharmingen™ Alexa Fluor™ 647 Rat anti-No data available 558453 Mouse CD267 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 562230 Mouse CD146 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 557976 Mouse CD196 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 557869 Mouse CD3 Molecular Complex BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 562524 Anti-Mouse DO-11.10 Clonotypic TCR BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 561475 Anti-Pig CD8a BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 561496 Anti-Pig CD29 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 561476 Anti-Piq CD3ε BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 557682 Mouse CD8a BD Pharmingen™ Alexa Fluor™ 647 Rat IgG2b, No data available 557691 к Isotype Control BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 561472 Anti-Pig CD4a BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 561999 anti-Human Granzyme B BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 562367 Mouse I-A/I-E BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 562763 Mouse CD45RA BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 562769 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 562826 Mouse CD23

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BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 563336 Anti-Mouse Siglec-G BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 563504 Mouse CD71 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 563643 Mouse Blimp-1 BD Pharmingen™ Alexa Fluor™ 647 Armenian No data available 563951 Hamster Anti-Helios BD Pharmingen™ Alexa Fluor™ 647 Hamster No data available 564073 IgG2, κ Isotype Control BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 565002 Blimp-1 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 565105 Anti-Human CD222 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 565378 IgG2b, к <u>Isotype Control</u> BD Pharmingen™ Alexa Fluor™ 647 Armenian No data available 565587 Hamster Anti-Mouse CD11c BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 565578 Anti-Mouse CD199 (CCR9) BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 565785 Human AID BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 566011 IgG1, κ Isotype Control BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 566351 Human IL-31RA BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 566580 Anti-Human GLUT1 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 566599 Mouse CD177 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 566645 Anti-Human CRTAM (CD355) BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 566657 Anti-Human SUSD2 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 566693 Anti-TCF-7/TCF-1 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 566731 Anti-Human CD11c BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 566867 Anti-Rat RP-1 Antigen BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 567044 Anti-Human ErbB3 (HER-3) BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 567661 Mouse CD8b BD Pharmingen™ Alexa Fluor™ 647 Hamster No data available 567804 Anti-Mouse FceR1a

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BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 567805 Mouse CX3CR1 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 568194 Mouse CD98 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 568281 Anti-Cyclin A BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 568299 Mouse CD21/CD35 BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 557739 Mouse IL-4 BD Pharmingen™ Alexa Fluor™ 647 Rat anti-No data available 560184 Mouse IL-17A BD Pharmingen™ Alexa Fluor™ 647 Rat anti-No data available 560224 Mouse IL-17A No data available BD Pharmingen™ Alexa Fluor™ 647 Mouse 561480 Anti-Pig IFN-y BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 562680 Mouse Siglec-F BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 562806 Mouse CD162 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 562832 Anti-Mouse H-2K[b] BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 563490 Anti-PLZF BD Pharmingen™ Alexa Fluor™ 647 Hamster No data available 563612 IgG1, κ Isotype Control BD Pharmingen™ Alexa Fluor™ 647 Rat IgG1, λ No data available 563713 Isotype Control BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 564084 Mouse CD124 BD Pharmingen™ Alexa Fluor™ 647 Rat anti-No data available 564794 Mouse CD371 (Clec12A) BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 564729 Anti-Nkx2.2 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 565357 IgG2a, к Isotype Control BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 565365 IgG2a, κ Isotype Control BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-No data available 565250 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 565789 BD Pharmingen™ Alexa Fluor™ 647 Mouse No data available 565831 Anti-C-Peptide BD Pharmingen™ Alexa Fluor™ 647 Armenian No data available 565882 Hamster Anti-ICOS (CD278)

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565911	BD Pharmingen™ Alexa Fluor™ 647 Mouse	No data available
303311	Anti-Human CD11c	
566426	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-	No data available
	Mouse CD6	
566579	BD Pharmingen™ Alexa Fluor™ 647 Mouse	No data available
	Anti-Human CXCL1 (GROa)	
566585	BD Pharmingen™ Alexa Fluor™ 647 Mouse	No data available
300303	Anti-Human CLEC5A (MDL-1)	
FCC71C	BD Pharmingen™ Alexa Fluor™ 647 Mouse	No data available
566716	Anti-Human Tie2 (CD202b)	
FCC717	BD Pharmingen™ Alexa Fluor™ 647 Hamster	No data available
566717	Anti-Mouse CD103	
FCC71F	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-	No data available
566715	Mouse CD279 (PD-1)	
544705	BD Pharmingen™ Alexa Fluor™ 647 Mouse	No data available
566735	Anti-Nur77	
F67160	BD Pharmingen™ Alexa Fluor™ 647 Mouse	No data available
567160	Anti-Human IL-22	
FC71C1	BD Pharmingen™ Alexa Fluor™ 647 Mouse	No data available
567161	Anti-Human IL-22	
F67006	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-	No data available
567806	Mouse Siglec-H	
F67004	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-	No data available
567904	Galectin-3	
568356	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-	No data available
	TOX	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
568300	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-	No data available
	Mouse CD21/CD35	
	BD Pharmingen™ Alexa Fluor™ 647 Rat Anti-	No data available
568306	Mouse CD274 (PD-L1)	
	stified uses of the substance or mixture and uses adv	

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 and Company, BD Biosciences

Telephone: 1 877 232 8995 or 1 800 424 9300

Fax: not available

95035 Milpitas, California

USA

Contact Person: Business Unit Product Stewardship Team

E-mail: BDB-PS-SDS-LABEL@bd.com

Supplier

Becton Dickinson **Telephone:** 01189216499

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1030 Eskdale Road, Winnersh Triangle RG41 5TS Wokingham, Berkshire United Kingdom

1.4 Emergency telephone number: CHEMTREC 1 800 424 9300

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.

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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.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Get medical attention if symptoms occur.

Inhalation: Provide fresh air, warmth and rest, preferably in comfortable

upright sitting position.

Skin Contact: Wash contact areas with soap and water. Remove

contaminated clothing. Launder contaminated clothing

before reuse.

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Eye contact: Immediately flush with plenty of water for at least 15

minutes. If easy to do, remove contact lenses.

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.

Personal Protection for First-aid

Responders:

No data available.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

Hazards: No data available.

4.3 Indication of immediate medical attention and special treatment needed

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 media: Water spray, foam, dry powder or carbon dioxide. Use fire-

extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread

fire.

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 equipment for fire-

fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures

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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.

6.1.1 For non-emergency personnel: No data available.

6.1.2 For emergency responders:No data available.

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

Technical measures: No data available.

Local/Total ventilation: No data available.

Safe handling advice: When using do not eat, drink or smoke. Read and follow

manufacturer's recommendations. Use personal protective

equipment as required.

Contact avoidance measures: No data available.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Store in a cool, dry place. Keep container tightly closed.

Safe packaging materials: No data available.

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 Limits

None of the components have assigned exposure limits.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

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DNEL-Values

Remarks: DNEL-Values

Critical component	Туре	Route of Exposure	Health Warnings	Remarks
Sodium azide (Na(N3))	General population	Eyes	Local effect;	No hazard identified
	Workers	Eyes	Local effect;	No hazard identified
	General population	Inhalation	Systemic, long-term; 87 µg/m3	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 0.05 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 0.14 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 0.493 mg/m3	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0.05 mg/kg	Repeated dose toxicity
Sodium Chloride (NaCl)	General population	Inhalation	Systemic, long-term; 443.28 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 2068.62 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, short-term; 2068.62 mg/m3	Repeated dose toxicity
	General population	Inhalation	Systemic, short-term; 443.28 mg/m3	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 126.65 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 295.52 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, short-term; 295.52 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, short-term; 126.65 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, short-term; 126.65 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 126.65 mg/kg	Repeated dose toxicity

PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks	
Sodium azide (Na(N3))	Aquatic (marine water)	0.015 μg/l		
	Sewage treatment plant	30 μg/l		
	Sediment (freshwater)	0.0167 mg/kg		
	Sediment (marine water)	0.00072 mg/kg		
	Aquatic (freshwater)	0.35 μg/l		
Sodium Chloride (NaCl)	Aquatic (freshwater)	5 mg/l		
	Sewage treatment plant	500 mg/l		
	Soil	4.86 mg/kg	Soil	

8.2 Exposure controls

Appropriate Engineering Controls:

No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection:

Wear safety glasses with side shields (or goggles).

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Hand Protection: Material: Chemical resistant gloves

Additional Information: Wash hands after contact.

Material: Suitable gloves can be recommended by the glove

supplier.

Skin and Body Protection: 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: Colorless to blue

Odor: Odorless

Odor Threshold:

Freezing point:

Boiling Point:

No data available.

No data available.

No data available.

No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:No data available. **Explosive limit - lower:**No data available.

Flash Point: The physical-chemical properties of this material have not

been fully investigated.

Auto-ignition temperature:

Decomposition Temperature:

No data available.

No data available.

No data available.

Viscosity

Dynamic viscosity: Not determined.

Kinematic viscosity: No data available.

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Solubility(ies)

Solubility in Water: Soluble

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.

Density: No data available.

Relative vapor density: No data available.

9.2 Other information

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: Stable

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 Stable; however, may de

Products:

Stable; however, may decompose if heated.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

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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.

Carcinogenicity

Product: No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure Product:

No data available.

110 data available.

Specific Target Organ Toxicity - Repeated Exposure Product: No data available.

Aspiration Hazard

Product: No data available.

11.2 Information on other hazards

Other information

Product: No data available.

SECTION 12: Ecological information

12.1 Toxicity:

Toxicity to Aquatic Plants

Product: No data available.

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Toxicity to microorganisms

Product: No data available.

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: , No data available.

12.4 Mobility in soil:

Product: No data available.

12.5 Results of PBT and vPvB assessment:

Product: No data available.

12.6 Other adverse effects:

Other hazards

Product: No data available.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods

General information: Dispose of waste and residues in accordance with local

authority requirements.

No data available. Disposal methods:

Contaminated Packaging: Dispose of contents/container to an appropriate treatment

Not Regulated.

and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

SECTION 14: Transport information

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14.1 UN number or ID number: Not Regulated. 14.2 UN Proper Shipping Name: Not Regulated.

14.3 Transport Hazard Class(es)

Class:

Not Regulated. Not Regulated. Label(s): Hazard No. (ADR): Not Regulated. Tunnel restriction code: Not Regulated. 14.4 Packing Group: Not Regulated. Limited quantity Not Regulated. Excepted quantity Not Regulated. 14.5 Environmental Hazards Not Regulated.

14.1 UN number or ID number: Not Regulated. 14.2 UN Proper Shipping Name: Not Regulated.

14.3 Transport Hazard Class(es)

14.6 Special precautions for user:

Class: Not Regulated. Label(s): Not Regulated. 14.4 Packing Group: Not Regulated. Limited quantity Not Regulated. **Excepted quantity** Not Regulated. 14.5 Environmental Hazards Not Regulated. Not Regulated. 14.6 Special precautions for user:

IMDG

14.1 UN number or ID number: Not Regulated. 14.2 UN Proper Shipping Name: Not Regulated.

14.3 Transport Hazard Class(es)

14.5 Environmental Hazards

Not Regulated. Class: Not Regulated. Label(s): EmS No .: Not Regulated. 14.4 Packing Group: Not Regulated. Limited quantity Not Regulated. Excepted quantity Not Regulated.

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Not Regulated.

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14.6 Special precautions for user: Not Regulated.

IATA

14.1 UN number or ID number: Not Regulated.14.2 UN Proper Shipping Name: Not Regulated.

14.3 Transport Hazard Class(es)

Class: Not Regulated. Label(s): Not Regulated. 14.4 Packing Group: Not Regulated. Passenger and cargo aircraft: Not Regulated. Limited quantity Not Regulated. Not Regulated. **Excepted quantity** 14.5 Environmental Hazards Not Regulated. 14.6 Special precautions for user: Not Regulated.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

EU Regulations

- **EU. REACH Annex XIV, Substances Subject to Authorization:** None present or none present in regulated quantities.
- **EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** None present or none present in regulated quantities.
- EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: None present or none present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities.

UK EXP1: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP2: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP3: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK BAN: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

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EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: None present or none present in regulated quantities.

15.2 Chemical safety assessment: International regulations

No Chemical Safety Assessment has been carried out.

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

SECTION 16: Other information

Date of first report version: 06.06.2024

Generation date: 06.06.2024

Version #: 1.0

Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC -Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw -Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA -European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS -

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Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Key literature references and European Chemicals Agency (ECHA): Information on Chemicals. **sources for data:**

Wording of the statements in section 2 and 3

: none

Training information: No data available.

Disclaimer: Disclaimer:

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