

SAFETY DATA SHEET

Matrix A-F

Section 1. Identifi	cation
Product identifier	: Matrix A-F
Product code	: Not available.
Other means of dentification	: Not available.
Product type	: Solid.
Relevant identified uses of t	he substance or mixture and uses advised against
Product use	: Research.
Area of application	: Industrial applications.
Manufacturer	: BioLegend Inc. 8999 BioLegend Way San Diego, CA 92121 – USA Tel: +1-858-455-9588 (7:00AM – 5:00PM PT, M-F)
Supplier's details	 RSM Australia Pty Ltd – On Behalf of BioLegend, Inc. Level 21, 55 Collins Street Melbourne VIC 3000 PO Box 248, Collins Street West VIC 8007 Phone: +61 (0) 3 9286 8040 Fax: +61 (0) 3 9286 8199
e-mail address of person responsible for this SDS	: cs@biolegend.com
Emergency telephone number (with hours of operation)	: +61 (0) 3 9286 8040 (24 hours)

Classification of the substance or mixture	: H312 H332	ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4
GHS label elements		
Hazard pictograms	:	
Signal word	: WARNING	
Hazard statements	: H312 + H332	- Harmful in contact with skin or if inhaled.
Precautionary statements		
Prevention		protective gloves and protective clothing. breathing dust.
Response		- IF INHALED: Call a POISON CENTER or doctor if you feel unwell.- IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell.

Date of previous issue

:08/07/2021

Version :1

1/11

Date of issue/Date of revision

:08/07/2021

Section 2. Hazard(s) identification

Storage	: Not applicable.
Disposal	 P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Not applicable.

Other hazards which do not : None known. result in classification

Section 3. Composition and ingredient information

Substance/mixture

Other means of identification

: Mixture

: Not available.

Ingredient name	% (w/w)	CAS number
sodium azide	≤1.3	26628-22-8

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	eyelids. Check f		of water, occasionally contact lenses. Cont itation occurs.		
Inhalation	If it is suspected mask or self-cor or if respiratory a personnel. It ma resuscitation. G If necessary, cal position and get tight clothing suc decomposition p	that fumes are still tained breathing ap arrest occurs, provid by be dangerous to et medical attentior a poison center or medical attention ir th as a collar, tie, by roducts in a fire, sy	b at rest in a position of present, the rescuer so oparatus. If not breath de artificial respiration the person providing a n if adverse health effe physician. If unconso nmediately. Maintain elt or waistband. In ca mptoms may be delay surveillance for 48 ho	should wear an app ning, if breathing is i or oxygen by traine aid to give mouth-to ects persist or are se cious, place in recov an open airway. Lo ase of inhalation of yed. The exposed p	ropriate rregular d -mouth evere. very posen
Skin contact	Wash contamina gloves. Continu health effects pe	ated clothing thorou e to rinse for at leas rsist or are severe.	 Remove contamina ghly with water before st 10 minutes. Get me If necessary, call a p shoes thoroughly bef 	e removing it, or wea edical attention if ad oison center or phy	ar verse
Ingestion	swallowed and the drink. Stop if the induce vomiting the head should attention if adver mouth to an unc	ne exposed person e exposed person fe unless directed to c be kept low so that se health effects pe onscious person.	ve dentures if any. If is conscious, give sm eels sick as vomiting r lo so by medical perso vomit does not enter ersist or are severe. If f unconscious, place i ntain an open airway.	all quantities of wat may be dangerous. onnel. If vomiting of the lungs. Get med Never give anything n recovery position	Do not ccurs, dical by and get
Date of issue/Date of revision	: 08/07/2021 Dat	e of previous issue	: 08/07/2021	Version : 1	2/11

Matrix A-F

Section 4. First aid measures

as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects						
Eye contact	: No known significant effects or critical hazards.					
Inhalation	: Harmful if inhaled.					
Skin contact	: Harmful in contact with skin.					
Ingestion	: No known significant effects or critical hazards.					
Over-exposure signs/sympto	Over-exposure signs/symptoms					
Eye contact	: No specific data.					
Inhalation	: No specific data.					
Skin contact	: No specific data.					
Ingestion	: No specific data.					

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 5. Firefighting measures

See toxicological information (Section 11)

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Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: nitrogen oxides metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Date of issue/Date of revision	: 08/07/2021 Date of previous issue : 08/07/2021 Version : 1 3/11

Section 6. Accidental release measures

Personal precautions, protect	tiv	e equipment and emergency procedures	
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	
Methods and material for cor	ntai	inment and cleaning up	
Small spill	:	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.	
Large spill	:	Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.	

Section 7. Handling and storage

Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

 Date of issue/Date of revision
 : 08/07/2021
 Date of previous issue
 : 08/07/2021
 Version
 : 1
 4/11

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name		Exposure limits
sodium azide		Safe Work Australia (Australia, 12/2019). PEAK: 0.11 ppm PEAK: 0.3 mg/m ³
Appropriate engineering controls	ventilation or other engin	ventilation. Use process enclosures, local exhaust neering controls to keep worker exposure to airborne recommended or statutory limits.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensu they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.	
Individual protection meas	<u>ures</u>	
Hygiene measures	eating, smoking and usin Appropriate techniques s Wash contaminated clot	and face thoroughly after handling chemical products, before ng the lavatory and at the end of the working period. should be used to remove potentially contaminated clothing. hing before reusing. Ensure that eyewash stations and to the workstation location.
Eye/face protection	assessment indicates th gases or dusts. If conta	ng with an approved standard should be used when a risk is is necessary to avoid exposure to liquid splashes, mists, ct is possible, the following protection should be worn, ndicates a higher degree of protection: safety glasses with
Skin protection		
Hand protection	be worn at all times whe this is necessary. Consi check during use that the should be noted that the different for different glov	ervious gloves complying with an approved standard should n handling chemical products if a risk assessment indicates dering the parameters specified by the glove manufacturer, e gloves are still retaining their protective properties. It time to breakthrough for any glove material may be we manufacturers. In the case of mixtures, consisting of protection time of the gloves cannot be accurately
Body protection		pment for the body should be selected based on the task risks involved and should be approved by a specialist luct.
Other skin protection	: Appropriate footwear an selected based on the ta	d any additional skin protection measures should be isk being performed and the risks involved and should be before handling this product.
Respiratory protection	: Based on the hazard and appropriate standard or	d potential for exposure, select a respirator that meets the certification. Respirators must be used according to a ogram to ensure proper fitting, training, and other important

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Solid. [Cake.]
Colour	: White.
Odour	: Not available.
Odour threshold	: Not available.
рН	: Not available.
Melting point	: Not available.
Boiling point, initial boiling point, and boiling range	: Not available.
Flash point	: Not applicable.
Evaporation rate	: Not available.
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not applicable.
Vapour pressure	: Not available.
Relative vapour density	: Not applicable.
Relative density	: Not available.
Solubility	: Not available.
Partition coefficient: n- octanol/water	: Not applicable.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available.
Viscosity	: Not applicable.
Flow time (ISO 2431)	: Not available.
Particle characteristics	
Median particle size	: Not available.
Additional information	
Physical/chemical properties comments	: No additional information.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions to avoid	: No specific data.

Date of issue/Date of revision	:08/07/2021	Date of previous issue	: 08/07/2021	Version : 1	6/11
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Section 10. Stability and reactivity

Incompatible materials

: Reactive or incompatible with the following materials: oxidising materials and metals.

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

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
sodium azide	LC50 Inhalation Dusts and mists		0.054 to 0.52	4 hours
	LD50 Dermal	Female Rabbit	mg/l 20 mg/kg	_
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
Conclusion/Summary	: Not available.			
Irritation/Corrosion				
Conclusion/Summary				
Skin	: Not available.			
Eyes	: Not available.			
Respiratory	: Not available.			
Sensitisation				
Conclusion/Summary				
Skin	: Not available.			
Respiratory	: Not available.			
Mutagenicity				
Conclusion/Summary	: Not available.			
Carcinogenicity				
Conclusion/Summary	: Not available.			
Reproductive toxicity				
Conclusion/Summary	: Not available.			
Teratogenicity				
Conclusion/Summary	: Not available.			
Specific target organ toxici	<u>ty (single exposure)</u>			
Not available.				
Specific target organ toxici	t <u>y (repeated exposure)</u>			
Not available.				
Aspiration hazard				
Not available.				
nformation on likely routes	: Routes of entry anticipated: Or	al Dermal Inha	lation	
of exposure				

Potential acute health effects

Date of issue/Date of revision : 08/07/2021 Date of previous issue : 08/07/2021 Version : 1	Is issue : 08/07/2021 Version : 1 7/	Date of previous issue	:08/07/2021	Date of issue/Date of revision
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Matrix A-F	
Section 11. Toxico	ological information
Eye contact	: No known significant effects or critical hazards.
Inhalation	: Harmful if inhaled.
Skin contact	: Harmful in contact with skin.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the phy	vsical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
· · · · · ·	ts as well as chronic effects from short and long-term exposure
Short term exposure Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>ects</u>
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	(gases)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Matrix A-F	2036.4	1508.4	N/A	N/A	4.1
sodium azide	27	20	N/A	N/A	0.054

Section 12. Ecological information

Toxicity

Matrix A-F

Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure	
sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours	
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours	
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours	
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours	
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours	

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : Not available.

Bioaccumulative potential

Not available.

Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	ADG	ADR/RID	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Date of issue/Date of rev	ision : 08/07/2021	Date of previous issue	: 08/07/2021	Version : 1 9/

Matrix A-F						
Section 14. Transport information						
Packing group	-	-	-	-		
Environmental hazards	No.	No.	No.	No.		

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to IMO instruments

Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AIIC) : Not determined.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Any other relevant information

<u>History</u>				
Date of issue/Date of revision	: 08/07/202	21		
Date of previous issue	: 08/07/202	21		
Version	: 1			
Prepared by	: Sphera S	olutions		
Key to abbreviations	 ADG = Australian Dangerous Goods ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association 			
Date of issue/Date of revision	: 08/07/2021	Date of previous issue	: 08/07/2021	Version : 1 10/11

Matrix A-F

Section 16. Any other relevant information

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

SUSMP = Standard Uniform Schedule of Medicine and Poisons

UN = United Nations

Procedure used to derive the classification

Classification	Justification
ACUTE TOXICITY (dermal) - Category 4	Calculation method
ACUTE TOXICITY (inhalation) - Category 4	Calculation method

References

: Work Health and Safety Regulations 2011, as ammended Preparation of Safety Data Sheets for Hazardous Chemicals, Code of Practice, Safe Work Australia Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG), National Transport Commission

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability 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.

Date of issue/Date of revision	:08/07/2021	Date of previous issue	:08/07/2021	Version : 1	11/11
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SAFETY DATA SHEET

Pure & Conjugated Antibodies, Recombinant Proteins, Avidin,

and Streptavidin

Section 1. Identification		
Product identifier	: Pure & Conjugated Antibodies, Recombinant Proteins, Avidin, and Streptavidin	
Other means of identification	: Not available.	
Product type	: Liquid.	
Relevant identified uses of t	he substance or mixture and uses advised against	
Product use	: Research.	
Area of application	: Industrial applications.	
Supplier/Manufacturer	: BioLegend Inc. 8999 BioLegend Way	
	San Diego, CA 92121 – USA Tel: +1-858-455-9588(7:00AM – 5:00PM PT, M-F)	
Supplier's details	 RSM Australia Pty Ltd – On Behalf of BioLegend, Inc. Level 21, 55 Collins Street Melbourne VIC 3000 PO Box 248, Collins Street West VIC 8007 Phone: +61 (0) 3 9286 8040 Fax: +61 (0) 3 9286 8199 	
e-mail address of person responsible for this SDS	: cs@biolegend.com	
Emergency telephone number (with hours of operation)	: +61 (0) 3 9286 8040 (24 hours)	

Section 2. Hazard(s) identification

Classification of the substance or mixture	: Not classified.
	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.4%
GHS label elements	
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
Precautionary statements	
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Supplemental label elements	: Not applicable.
Other hazards which do not result in classification	: None known.

Date of issue/Date of revision	: 15/07/2021	Date of previous issue	: 19/07/2016	Version : 2 1/
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Section 3. Composition and ingredient information

Substance/mixture Other means of identification

: Mixture

: Not available.

CAS number/other identifiers

applicable.

EC number : Mixture.

Product code : Not available.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sympto	oms
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.

Ingestion : No specific data.

Indication of immediate me	dical attention and special	treatment needed, if necessary

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Date of issue/Date of revision	: 15/07/2021	Date of previous issue	:19/07/2016	Version : 2	2/9

Section 5. Firefighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: phosphorus oxides metal oxide/oxides carbon oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protec	equipment and emergency procedures	
For non-emergency personnel	o action shall be taken involving any personal risk or without suitable training. vacuate surrounding areas. Keep unnecessary and unprotected personnel fr ntering. Do not touch or walk through spilt material. Put on appropriate perso rotective equipment.	om
For emergency responders	specialised clothing is required to deal with the spillage, take note of any formation in Section 8 on suitable and unsuitable materials. See also the formation in "For non-emergency personnel".	
Environmental precautions	void dispersal of spilt material and runoff and contact with soil, waterways, dra nd sewers. Inform the relevant authorities if the product has caused environn ollution (sewers, waterways, soil or air).	
Methods and material for con	nent and cleaning up	
Small spill	top leak if without risk. Move containers from spill area. Dilute with water and p if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry laterial and place in an appropriate waste disposal container. Dispose of via a censed waste disposal contractor.	
Large spill	top leak if without risk. Move containers from spill area. Prevent entry into se ater courses, basements or confined areas. Wash spillages into an effluent eatment plant or proceed as follows. Contain and collect spillage with non- ombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous nd place in container for disposal according to local regulations (see Section ispose of via a licensed waste disposal contractor. Note: see Section 1 for mergency contact information and Section 13 for waste disposal.	earth

Date of issue/Date of revision : 15

: 15/07/2021

Section 7. Handling and storage

Precautions for safe handling	g	
Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	 Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Date of issue/Date of revision	: 15/07/2021	Date of previous issue	:19/07/2016	Version : 2	4/9
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Section 9. Physical and chemical properties

<u>Appearance</u>		
Physical state	:	Liquid.
Colour	:	Colourless. to Yellow.
Odour	:	Not available.
Odour threshold	:	Not available.
рН	:	7.2
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not applicable.
Lower and upper explosive (flammable) limits	:	Not available.
Vapour pressure	:	Not available.
Vapour density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
	Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	:
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicologic	cal effects				
Acute toxicity Conclusion/Summary	: Not availa	able.			
Irritation/Corrosion Conclusion/Summary					
Skin	: Not availa	able.			
Date of issue/Date of revision	: 15/07/2021	Date of previous issue	: 19/07/2016	Version : 2	5/9

Section 11. Toxicological information

Eyes	: Not available.
Respiratory	: Not available.
Sensitisation	
Conclusion/Summary	
Skin	: Not available.
Respiratory	: Not available.
<u>Mutagenicity</u>	
Conclusion/Summary	: Not available.
Carcinogenicity	
Conclusion/Summary	: Not available.
Reproductive toxicity	
Conclusion/Summary	: Not available.
<u>Teratogenicity</u>	
Conclusion/Summary	: Not available.
Specific target organ toxici	ty (single exposure)
Not available.	
Specific target organ toxici	ty (repeated exposure)
Not available.	ty (repeated exposure)
Aspiration hazard	
Not available.	
Information on likely routes of exposure Potential acute health effects	
Eye contact	 No known significant effects or critical hazards.
Inhalation	
	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the phy	vsical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Balanced as 11 and 11 and 11	
	cts as well as chronic effects from short and long-term exposure
Short term exposure	A later second and a
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	ects
Not available.	
Date of issue/Date of revision	: 15/07/2021 Date of previous issue : 19/07/2016 Version : 2

Section 11. Toxicological information

General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity Acute toxicity estimates

Not available.

Section 12. Ecological information

<u>Toxicity</u> Conclusion/Summary	lot available.	
Persistence and degradabilit Conclusion/Summary	lot available.	
Bioaccumulative potential Not available.		
Mobility in soil Soil/water partition coefficient (Koc)	lot available.	
Other adverse effects	lo known significant effects or critical hazards.	
Section 13. Dispo	considerations	
Disposal methods	he generation of waste should be avoided or minimised wherever possible. bisposal of this product, solutions and any by-products should at all times con- rith the requirements of environmental protection and waste disposal legislat nd any regional local authority requirements. Dispose of surplus and non- ecyclable products via a licensed waste disposal contractor. Waste should r isposed of untreated to the sewer unless fully compliant with the requirement Il authorities with jurisdiction. Waste packaging should be recycled. Inciner andfill should only be considered when recycling is not feasible. This materials s container must be disposed of in a safe way. Empty containers or liners me etain some product residues. Avoid dispersal of spilt material and runoff and ontact with soil, waterways, drains and sewers.	mply tion not be nts of ration or al and nay

Section 14. Transport information

Pure & Conjugated Antibodies, Recombinant Proteins, Avidin, and Streptavidin

Section 14. Transport information

	ADG	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of Marpol and the IBC Code

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AICS) : Not determined.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Inform Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals Not listed.

Section 16. Any other relevant information

<u>History</u>	
Date of issue/Date of revision	: 15/07/2021
Date of previous issue	: 19/07/2016
Version	: 2
Prepared by	: BioLegend
Key to abbreviations	 ADG = Australian Dangerous Goods ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) NOHSC = National Occupational Health and Safety Commission SUSMP = Standard Uniform Schedule of Medicine and Poisons UN = United Nations

Procedure used to derive the classification

Classification		Justification	
Not classified.			
References	Preparation of Safety Dat Work Australia	Regulations 2011, as ammended a Sheets for Hazardous Chemicals, Code of Practice, Safe ransport of Dangerous Goods by Road and Rail (ADG), hission	

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability 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.



SAFETY DATA SHEET

Wash Buffer 20x

Section 1. Identification					
Product identifier	: Wash Buffer 20x				
Product code	: Not available.				
Other means of identification	: Not available.				
Product type	: Liquid.				
Relevant identified uses of t	he substance or mixture and uses advised against				
Product use	: Research.				
Area of application	: Industrial applications.				
Manufacturer	: BioLegend Inc. 8999 BioLegend Way San Diego, CA 92121 – USA Tel: +1-858-455-9588 (7:00AM – 5:00PM PT, M-F)				
Supplier's details	 RSM Australia Pty Ltd – On Behalf of BioLegend, Inc. Level 21, 55 Collins Street Melbourne VIC 3000 PO Box 248, Collins Street West VIC 8007 Phone: +61 (0) 3 9286 8040 Fax: +61 (0) 3 9286 8199 				
e-mail address of person responsible for this SDS	: cs@biolegend.com				
Emergency telephone number (with hours of operation)	: +1-858-455-9588 (7:00AM – 5:00PM PT, M-F)				

Section 2. Hazard(s) identification

Classification of the substance or mixture	: Not classified.		
	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity 8%	•	
	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxi 20.8%	City.	
GHS label elements			
Signal word	No signal word.		
Hazard statements	No known significant effects or critical hazards.		
Precautionary statements			
Prevention	Not applicable.		
Response	Not applicable.		
Storage	Not applicable.		
Disposal	Not applicable.		
Supplemental label elements	Not applicable.		
Other hazards which do not result in classification	None known.		
Date of issue/Date of revision	D9/2021 Date of previous issue : 21/04/2017 Version : 2	1/9	

Section 3. Composition and ingredient information

Substance/mixture

Other means of identification

- : Mixture
- : Not available.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary fi	rst aid measures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health	<u>effects</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/</u>	<u>symptoms</u>
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate	e medical attention and special treatment needed, if necessary
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

See toxicological information (Section 11)

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training.

Section 5. Firefighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: phosphorus oxides halogenated compounds metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	 Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protect	tiv	e equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and material for con	ta	inment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	-	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling	2	
Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls	Good general contaminants.	ventilation should be sufficient to control worker exposure to airborne
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to e they comply with the requirements of environmental protection legislation. In a cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.	

Individual protection measures

Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.			
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.			
Skin protection				
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.			
Body protection	 Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. 			
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.			
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.			
Date of issue/Date of revision	: 22/09/2021 Date of previous issue : 21/04/2017 Version : 2 4/9			

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid. [Clear.]
Colour	: Colourless.
Odour	: Not available.
Odour threshold	: Not available.
рН	: 6.25 to 6.35
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not applicable.
Lower and upper explosive (flammable) limits	: Not available.
Vapour pressure	: Not available.
Vapour density	: Not available.
Relative density	: Not available.
Solubility	: Not available.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Flow time (ISO 2431)	: Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity Conclusion/Summary	
Conclusion/Summany	
Conclusion/Summary	: Not available.
Irritation/Corrosion	
Conclusion/Summary	
Skin	: Not available.
Eyes	: Not available.
Respiratory	: Not available.
<u>Sensitisation</u>	
Conclusion/Summary	
Skin	: Not available.
Respiratory	: Not available.
Mutagenicity	
Conclusion/Summary	: Not available.
Carcinogenicity	
Conclusion/Summary	: Not available.
Reproductive toxicity	
Conclusion/Summary	: Not available.
Teratogenicity	
Conclusion/Summary	: Not available.
Specific target organ toxicity	<u>/ (single exposure)</u>
Not available.	
Specific target organ toxicity Not available. Aspiration hazard	<u>/ (repeated exposure)</u>
Not available.	
	: Routes of entry anticipated: Oral, Dermal, Inhalation.
nformation on likely routes of exposure	: Routes of entry anticipated: Oral, Dermal, Inhalation.
nformation on likely routes of exposure	 Routes of entry anticipated: Oral, Dermal, Inhalation. No known significant effects or critical hazards.
nformation on likely routes of exposure Potential acute health effects	
nformation on likely routes of exposure <u>Potential acute health effects</u> Eye contact	: No known significant effects or critical hazards.
nformation on likely routes of exposure <u>Potential acute health effects</u> Eye contact Inhalation	No known significant effects or critical hazards.No known significant effects or critical hazards.
nformation on likely routes of exposure <u>Potential acute health effects</u> Eye contact Inhalation Skin contact Ingestion	 No known significant effects or critical hazards.
nformation on likely routes of exposure <u>Potential acute health effects</u> Eye contact Inhalation Skin contact Ingestion <u>Symptoms related to the phys</u> Eye contact	 No known significant effects or critical hazards.
nformation on likely routes of exposure Potential acute health effects Eye contact Inhalation Skin contact Ingestion	 No known significant effects or critical hazards.
nformation on likely routes of exposure <u>Potential acute health effects</u> Eye contact Inhalation Skin contact Ingestion <u>Symptoms related to the phys</u> Eye contact	 No known significant effects or critical hazards.
nformation on likely routes of exposure Potential acute health effects Eye contact Inhalation Skin contact Ingestion Symptoms related to the phys Eye contact Inhalation	 No known significant effects or critical hazards.
Information on likely routes of exposure Potential acute health effects Eye contact Inhalation Skin contact Ingestion Symptoms related to the phys Eye contact Inhalation Skin contact Inhalation Skin contact Ingestion	 No known significant effects or critical hazards.
Information on likely routes of exposure Potential acute health effects Eye contact Inhalation Skin contact Ingestion Symptoms related to the phys Eye contact Inhalation Skin contact Inhalation Skin contact Ingestion	 No known significant effects or critical hazards. Sical, chemical and toxicological characteristics No specific data. No specific data. No specific data. No specific data.

Section 11. Toxicological information

	-
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	<u>ects</u>
Not available.	
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information		
<u>Toxicity</u>		
Conclusion/Summary	: Not available.	
Persistence and degrada	bility	
Conclusion/Summary	: Not available.	
Bioaccumulative potentia	<u>l</u>	
Not available.		
Mobility in soil		
Soil/water partition coefficient (Koc)	: Not available.	
Other adverse effects	: No known significant effects or critical hazards.	

Section 13. Disposal considerations

Disposal methods	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
	contact with soil, waterways, drains and sewers.

Date of issue/Date of revision	: 22/09/2021	Date of previous issue	: 21/04/2017	Version : 2	7/9	
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Section 14. Transport information

	ADG	ADR/RID	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of Marpol and the IBC Code

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

5

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AICS) : All components are listed or exempted.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Any other relevant information

<u>History</u>	
Date of issue/Date of revision	: 22/09/2021
Date of previous issue	: 21/04/2017
Version	: 2
Prepared by	: BioLegend
Key to abbreviations	: ADG = Australian Dangerous Goods ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) SUSMP = Standard Uniform Schedule of Medicine and Poisons UN = United Nations

Procedure used to derive the classification

	Classification	Justification
Not classified.		
References	Preparation of Safety Dat Work Australia	Regulations 2011, as ammended a Sheets for Hazardous Chemicals, Code of Practice, Safe ransport of Dangerous Goods by Road and Rail (ADG), hission

Notice to reader

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Date of issue/Date of revision	: 22/09/2021	Date of previous issue	: 21/04/2017	Version : 2	9/9