KIT SAFETY DATA SHEET



Kit	Product Name	Kallestad HEp-2 Cell Line Substrate Kit
1.11		

Kit Catalog Number(s) 30471, 30472, 35283

Revision date

31-Mar-2021

Kit Contents

Catalog Number(s)	Product Name
26100, 26101, 26102, 26103, 26104, 26106	Kallestad HEp-2 Cell Line Substrate Slides
30403	Kallestad Mounting Media
30431	Kallestad Evans Blue Counterstain
30446, 30480	Kallestad FITC Conjugate
31098	PBS for Immunofluorescent Assays
	Kallestad Homogenous Positive Control

SAFETY DATA SHEET

Revision date 29-Mar-2021



Revision Number 1

1. Identification			
Product identifier			
Product Name	uct Name SUBS HEp-2 - Kallestad HEp-2 Cell Line Substrate Slides		
Other means of identification			
Catalog Number(s)	26100, 26101, 26102, 26103, 26104, 26106		
Recommended use of the chemical and restrictions on use			
Recommended use	In vitro diagnostic Restricted to professional users Use according to package label instructions		
Details of the supplier of the safety data sheet			
Corporate Headquarters Bio-Rad Laboratories Inc. 1000 Alfred Nobel Drive Hercules, CA 94547 USA	Manufacturer Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA	Legal Entity / Contact Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA	
Technical Service	1-800-224-6723 TechSupport.USSD@bio-rad.com		
Emergency telephone number			
24 Hour Emergency Phone Number	CHEMTREC USA: 1 (800) 424-9300		

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Appearance Clear

Physical state Slide

Odor No information available

Other information

Contains human source material and / or potentially infectious components.

3. Composition/information on ingredients

Substance

Not applicable.

<u>Mixture</u>

Component	Description
SUBS HEp-2	HEp-2 substrate fixed onto glass slides, handle slides by the edges and do not apply pressure to surface of foil bag

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures			
Description of first aid measures			
General advice	No hazards which require special first aid measures.		
Inhalation	Remove to fresh air.		
Eye contact	Contains human source material and / or potentially infectious components. Call a physician.		
Skin contact	Wash skin with soap and water.		
Ingestion	Call a physician. Contains human source material and / or potentially infectious components.		
Most important symptoms and effects, both acute and delayed			
Symptoms	No information available.		
Indication of any immediate medical attention and special treatment needed			
Note to physicians	Contains human source material and / or potentially infectious components.		
5. Fire-fighting measures			
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Unsuitable extinguishing media	No information available.		
Specific hazards arising from the chemical	None known.		
Explosion data Sensitivity to mechanical impac Sensitivity to static discharge	St None. None.		
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.		

6. Accidental release measures			
Personal precautions, protective equipment and emergency procedures			
Personal precautions	Personal precautions See section 8 for more information.		
Methods and material for containm	ent and cleaning up		
Methods for containment	Do not allow into any sewer, on the ground or into any body of water.		
Methods for cleaning up	Clean contaminated surface thoroughly. Use:. Disinfectant.		
7. Handling and storage			
Precautions for safe handling			
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.		
Conditions for safe storage, including any incompatibilities			
Storage Conditions	Store according to product and label instructions.		
8. Exposure controls/personal protection			
Control parameters			
Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.		
Appropriate engineering controls			
Engineering controls	Showers Eyewash stations Ventilation systems.		
Individual protection measures, such as personal protective equipment			
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Hand protection	Wear suitable gloves.		
Skin and body protection	Wear suitable protective clothing.		
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.		
General hygiene considerations	Follow universal and standard precautions for handling potentially infectious materials.		
9. Physical and chemical properties			

Information on basic physical and chemical propertiesPhysical stateSlideAppearanceClearColorclearOdorNo information availableOdor thresholdNo information available

<u>Property</u> pH Melting point / freezing point <u>Values</u> No information available No data available Remarks • Method None known None known

SUBS HEp-2 - Kallestad HEp-2 Cell Line Substrate Slides

Boiling point / boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	insoluble	
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information		
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	
Softening point	Not applicable	
Molecular weight	Not applicable	
VOC Content (%)	Not applicable	

10. Stability and reactivity

Reactivity	No information available.	
Chemical stability	Stable under normal conditions.	
Possibility of hazardous reactions	None under normal processing.	
Conditions to avoid	None known based on information supplied.	
Incompatible materials	None known based on information supplied.	
Hazardous decomposition products None known based on information supplied.		

11. Toxicological information

Information on likely routes of exposure

Product Information Specific test data for the substance or mixture is not available. Inhalation Specific test data for the substance or mixture is not available. Eye contact Specific test data for the substance or mixture is not available. Skin contact Specific test data for the substance or mixture is not available. Ingestion Specific test data for the substance or mixture is not available. Symptoms related to the physical. chemical and toxicological characteristics Symptoms No information available.

Acute toxicity

Numerical measures of toxicity No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure		
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.	
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Reproductive toxicity	Based on available data, the classification criteria are not met.	
STOT - single exposure	Based on available data, the classification criteria are not met.	
STOT - repeated exposure	Based on available data, the classification criteria are not met.	
STOT - repeated exposure Aspiration hazard		
	Based on available data, the classification criteria are not met.	

12. Ecological information

Ecotoxicity	The environmental impact of this product has not been fully investigated.
Persistence and degradability	No information available.
Bioaccumulation	There is no data for this product.
Other adverse effects	No information available.

13. Disposal considerations

Waste treatment methods	
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14. Transport information

DOT	Not regulated
TDG	Not regulated
<u>MEX</u>	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

International Inventories

Contact supplier for inventory compliance status

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations

This product does not contain any substances regulated by state right-to-know regulations

US State Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	Health hazards	0	Flammability	0	Instability 0	Physical and chemical properties -
HMIS	Health hazards	0	Flammability	0	Physical hazards 0	Personal protection X
Key or legend t	o abbreviations and acro	onyms u	used in the safe	ty data	a sheet	
	n 8: EXPOSURE CONTRO					
TWA Ceiling	TWA (time-weighted av Maximum limit value	/erage)	\$	STEL	STEL (Short Ter Skin designation	m Exposure Limit)
European Food EPA (Environmer Acute Exposure U.S. Environmer Food Research Hazardous Subs International Uni Japan GHS Class Australia National NIOSH (Nationa NIOSH (Nationa National Library National Library National Toxicolo New Zealand's C Organization for Organization for Organization for RTECS (Registry World Health Org	trance Database form Chemical Information ssification al Industrial Chemicals Not I Institute for Occupational of Medicine's ChemID Plus of Medicine's PubMed data ogy Program (NTP) Chemical Classification and Economic Co-operation ar Economic Co-operation ar Economic Co-operation ar y of Toxic Effects of Chem ganization	(s)) leral Ins h Produ ification Safety s (NLM abase (d Inform nd Deve nd Deve ical Sub	ecticide, Fungici ction Volume Ch ase (IUCLID) and Assessmer and Health) CIP) NLM PUBMED) ation Database (elopment Environ elopment High Pr elopment Screen ostances)	CCID) (CCID) (ment, roduction ing Info	ls eme (NICNAS) Health, and Safety Publicatic on Volume Chemicals Progra ormation Data Set	
Prepared By	Bio	-Rad La	boratories, Envi	ronmer	ntal Health and Safety	
Revision date	29-	Mar-202	21			

Revision Note Disclaimer *** Indicates this information has changed since the previous revision.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Revision date 31-Mar-2021



Revision Number 2

1. Identification		
Product identifier		
Product Name	MNT MED - Kallestad Mounting Media	
Other means of identification		
Catalog Number(s)	30403	
Recommended use of the chemica	l and restrictions on use	
Recommended use	In-vitro laboratory reagent or component Restricted to professional users Use according to package label instructions	
Details of the supplier of the safety	v data sheet	
<u>Corporate Headquarters</u> Bio-Rad Laboratories Inc. 1000 Alfred Nobel Drive Hercules, CA 94547 USA Technical Service	Manufacturer Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA 1-800-224-6723	Legal Entity / Contact Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA
	TechSupport.USSD@bio-rad.com	
Emergency telephone number		
24 Hour Emergency Phone Number	CHEMTREC USA: 1 (800) 424-9300	

2. Hazard(s) identification

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)

Not applicable

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Label elements

Hazard statements	

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance aqueous solution

Physical state Liquid

Odor No information available

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Other information

Causes mild skin irritation.

3. Composition/information on ingredients

Hydrochloric acid

Substance

Not applicable.

<u>Mixture</u>

Component	Description			
MNT MED	A semi-permanent buffere Alcohol. 20% 1,2-Propane		zma buffered solution, pH	7-8. 7.5% Polyvinyl
(Chemical name	CAS No	Weight-%	Trade secret

7647-01-0

0.1 - 0.299

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice	No hazards which require special first aid measures.
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Rinse mouth thoroughly with water.
Most important symptoms and effe	cts, both acute and delayed
Symptoms	Prolonged contact may cause redness and irritation.
Indication of any immediate medica	al attention and special treatment needed
Note to physicians	Treat symptomatically.
5. Fire-fighting measures	
5. Fire-fighting measures Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Suitable Extinguishing Media	surrounding environment.
Suitable Extinguishing Media Unsuitable extinguishing media Specific hazards arising from the	surrounding environment. No information available. None known.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions See section 8 for more information.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store according to product and label instructions.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric acid	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm	IDLH: 50 ppm
7647-01-0	-	(vacated) Ceiling: 7 mg/m ³	Ceiling: 5 ppm
		Ceiling: 5 ppm	Ceiling: 7 mg/m ³
		Ceiling: 7 mg/m ³	

Appropriate engineering controls

Engineering controls	Showers
	Eyewash stations
	Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	aqueous solution
Color	Clear, colorless
Odor	No information available
Odor threshold	No information available

Property	Values	Remarks • Method
рН	6-8	
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Miscible in water	
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information		
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	
Softening point	Not applicable	
Molecular weight	Not applicable	
VOC Content (%)	Not applicable	

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information	
Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available. Causes mild skin irritation.
Ingestion	Specific test data for the substance or mixture is not available.
Symptoms related to the physical, of	chemical and toxicological characteristics

Symptoms

Prolonged contact may cause redness and irritation.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	40,476.20	mg/kg
ATEmix (dermal)	57,379.31	mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrochloric acid 7647-01-0	238 - 277 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 1.68 mg/L (Rat)1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. May cause skin irritation.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Hydrochloric acid	-	Group 3	-	Х
7647-01-0				

Legend

IARC (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present **Reproductive toxicity** Based on available data, the classification criteria are not met. STOT - single exposure Based on available data, the classification criteria are not met. **STOT - repeated exposure** Based on available data, the classification criteria are not met. **Target organ effects** Respiratory system, Eyes, Skin. No information available. Aspiration hazard Other adverse effects No information available. Interactive effects No information available.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydrochloric acid 7647-01-0	-	LC50: =282mg/L (96h, Gambusia affinis)	-	-

Bioaccumulation

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There is no data for this product.

Other adverse effects

No information available.

13. Disposal considerations		
Waste treatment methods		
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.	
Contaminated packaging	Do not reuse empty containers.	

14. Transport information

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

International Inventories

Contact supplier for inventory compliance status

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Hydrochloric acid - 7647-01-0	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrochloric acid 7647-01-0	5000 lb	-	-	Х

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Hydrochloric acid	5000 lb	5000 lb
7647-01-0		

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations This product does not contain any substances regulated by state right-to-know regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Hydrochloric acid	X	X	Х
7647-01-0			

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

NFPAHealth hazards0Flammability0Instability0Physical and chemical properties -HMISHealth hazards0Flammability0Physical hazards0Personal protectionXCertain a colspan="4">Certain a colspan="4">Certai	16. Other information				
HMIS Health hazards 0 Flammability 0 Physical hazards 0 Personal protection X Key or legend to abbreviations and acronyms used in the safety data sheet Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit) * Ceiling Maximum limit value * Skin designation * * Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database Sin designation * * * PA (Environmental Protection Agency (ChemView Database European Food Safety Authority (EFSA) *<	NFPA	Health hazards 0	Flammability 0	Instability 0	
Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit) Ceiling Maximum limit value * Skin designation Key literature references and sources for data used to compile the SDS Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development Environmatin, Health, and Safety Publications <th>HMIS</th> <th>Health hazards 0</th> <th>Flammability 0</th> <th>Physical hazards 0</th> <th></th>	HMIS	Health hazards 0	Flammability 0	Physical hazards 0	
TWA CeilingTWA (time-weighted average) Maximum limit valueSTEL *STEL Skin designationSTEL Skin designationMeximum limit valueSTEL *STEL (Short Term Exposure Limit) Skin designationKey literature references and sources for data used to complet the SDS Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA)EPA (Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA)EPA (Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's ChemID Plus (NLM CIP) National Toxicology Program (NTP)New Zealand's Chemical Classification and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development Screening Information Data Set	Key or legend to abl	previations and acronyms	used in the safety data s	heet	
	Legend Section 8: E TWA TY Ceiling M Key literature refere Agency for Toxic Sub U.S. Environmental P European Food Safet EPA (Environmental P Acute Exposure Guid U.S. Environmental P U.S. Environmental P Food Research Journ Hazardous Substance International Uniform Japan GHS Classifica Australia National Ind NIOSH (National Insti National Library of Me National Library of Me National Library of Me National Toxicology F New Zealand's Chem Organization for Ecor	EXPOSURE CONTROLS/PI WA (time-weighted average) aximum limit value nces and sources for data stances and Disease Regist protection Agency ChemView y Authority (EFSA) Protection Agency) eline Level(s) (AEGL(s)) protection Agency Federal In protection Agency High Produal e Database Chemical Information Databation ustrial Chemicals Notification itute for Occupational Safety edicine's ChemID Plus (NLW edicine's PubMed database Program (NTP) ical Classification and Inform nomic Co-operation and Device nomic Co-operation and Device Nomic Co-operation and Device Nomic Co-operation and Device Network (NTP) Nomic Co-operation and Device Network (NTP) Nomic Co-operation and Device Network (NTP)	ERSONAL PROTECTION) STEL * a used to compile the SDS try (ATSDR) v Database secticide, Fungicide, and F uction Volume Chemicals base (IUCLID) an and Assessment Schem v and Health) 1 CIP) (NLM PUBMED) mation Database (CCID) velopment Environment, Here velopment High Production velopment Screening Inform	STEL (Short Term Skin designation S Rodenticide Act e (NICNAS) ealth, and Safety Publicatior Volume Chemicals Program	ns

World Health Organization	
Prepared By	Bio-Rad Laboratories, Environmental Health and Safety
Revision date	31-Mar-2021
Revision Note <u>Disclaimer</u>	*** Indicates this information has changed since the previous revision.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Revision date 29-Mar-2021



Revision Number 1

1. Identification			
Product identifier			
Product Name	COUNTERSTAIN - Kallestad Evans Blue Cou	unterstain	
Other means of identification			
Catalog Number(s)	30431		
Recommended use of the chemical and restrictions on use			
Recommended use	In-vitro laboratory reagent or component Restricted to professional users Use according to package label instructions		
Details of the supplier of the safety	data sheet_		
<u>Corporate Headquarters</u> Bio-Rad Laboratories Inc. 1000 Alfred Nobel Drive Hercules, CA 94547 USA	<u>Manufacturer Address</u> Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA	Legal Entity / Contact Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA	
Technical Service	1-800-224-6723 TechSupport.USSD@bio-rad.com		
Emergency telephone number			
24 Hour Emergency Phone Number	CHEMTREC USA: 1 (800) 424-9300		

2. Hazard(s) identification

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements	
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)	

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance aqueous solution

Physical state No information available

Odor No information available

Other information

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Component	Description
COUNTERSTAIN	≤2% Evans' blue stain - 0.1% Sodium Azide preservative

Chemical name	CAS No	Weight-%	Trade secret
Sodium azide	26628-22-8	0.1 - 0.299	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures		
Description of first aid measures		
General advice	No hazards which require special first aid measures.	
Inhalation	Remove to fresh air.	
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.	
Skin contact	Wash skin with soap and water.	
Ingestion	Rinse mouth thoroughly with water.	
Most important symptoms and effe	cts, both acute and delayed	
Symptoms	No information available.	
Indication of any immediate medica	I attention and special treatment needed	
Note to physicians	Treat symptomatically.	
5. Fire-fighting measures		
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Unsuitable extinguishing media	No information available.	
Specific hazards arising from the chemical	None known.	
Explosion data Sensitivity to mechanical impac Sensitivity to static discharge	t None. None.	
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.	
6 Appidental release mass		

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures		
Personal precautions	See section 8 for more information.	
Methods and material for containn	nent and cleaning up	
Methods for containment	Prevent further leakage or spillage if safe to do so.	
Methods for cleaning up	Pick up and transfer to properly labeled containers.	
7. Handling and storage		
Precautions for safe handling		
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.	

Conditions for safe storage, including any incompatibilities

Storage Conditions Store according to product and label instructions.

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8. Exposure controls/personal protection

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium azide	Ceiling: 0.29 mg/m ³ Sodium	(vacated) S*	Ceiling: 0.1 ppm HN3
26628-22-8	azide	(vacated) Ceiling: 0.1 ppm HN3	Ceiling: 0.3 mg/m ³ NaN3
	Ceiling: 0.11 ppm Hydrazoic	(vacated) Ceiling: 0.3 mg/m ³	-
	acid vapor	NaN3	

Appropriate engineering controls

Engineering controls	Showers
	Eyewash stations
	Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties		
Physical state	No information available	
Appearance	aqueous solution	
Color	blue	
Odor	No information available	
Odor threshold	No information available	

Property	Values	Remarks • Method
pH	6-8	
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Miscible in water	
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information		
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	
Softening point	Not applicable	
Molecular weight	Not applicable	
VOC Content (%)	Not applicable	

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Avoid contact with metals. This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds and toxic gases.
Conditions to avoid	None known based on information supplied.
Incompatible materials	Metals.

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

No information available.

Acute toxicity

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium azide	= 27 mg/kg (Rat)	= 20 mg/kg (Rabbit)	-
26628-22-8		= 50 mg/kg (Rat)	

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	No information available.
Other adverse effects	No information available.
Interactive effects	No information available.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium azide 26628-22-8	-	LC50: =0.7mg/L (96h, Lepomis macrochirus) LC50: =0.8mg/L (96h, Oncorhynchus mykiss) LC50: =5.46mg/L (96h, Pimephales promelas)	-	-
Persistence and degradability No information available.				

Bioaccumulation There is no data for this product.

Other adverse effects

No information available.

Waste treatment methods

Waste from residues/unused	Flush pipes with water frequently if discarding solutions containing sodium azide into metal
products	piping systems. Dispose of in accordance with local regulations. Dispose of waste in
	accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Sodium azide 26628-22-8	-	P105	-	-

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Sodium azide	Ignitable
26628-22-8	Reactive

14. Transport information

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

International Inventories

Contact supplier for inventory compliance status

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Sodium azide - 26628-22-8	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium azide	1000 lb	1000 lb
26628-22-8		

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations

This product does not contain any substances regulated by state right-to-know regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium azide	Х	Х	Х
26628-22-8			

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

NFPAHealth hazards0Flammability0Instability0Physical and chemical properties - properties - Personal protectionXHMISHealth hazards0Flammability0Physical hazards0Physical and chemical properties - Personal protectionXKey or legend to abbreviations and acromyms used in the safety data sheetLegend Section Strevelows and acromyms used in the safety data sheetKey or legend to abbreviations and acromyms used in the safety data sheetKey or legend to abbreviations and acromyms used in the safety data sheetStrevelows and acromyms used in the safety data sheetKey or legend to abbreviations and acromyms used in the safety data sheetMINENMA (time-weighted average)STELStrevelows and bisease Registry (ATSDR)CeilingStrevelows and Disease Registry (ATSDR)U.S. Environmental Protection Agency (heeds(s))U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide ActU.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide ActU.S. Environmental Protection Agency High Productor Volume shreitalProtection Agency Federal Insecticide, Fungicide, and Rodenticide ActU.S. Environmental Protection Agency High Productor Volume shreitalHealth hataia Ondification DatabaseInternational Uniform Chemicals Notification a	16. Other information				
HMISHealth hazards0Flammability0Physical hazards0Personal protectionXKey or legend to abbreviations and acronyms used in the safety data sheetLegend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONTWATWA (time-weighted average)STELSTEL (Short Term Exposure Limit)*CeilingMaximum limit value*Skin designation**Key literature references and sources for data used to compile the SDSAgency for Toxic Substances and Disease Registry (ATSDR)U.S. Environmental Protection Agency ChemView DatabaseSSSSSU.S. Environmental Protection Agency (ATSDR)U.S. Environmental Protection Agency (ATSDR)SSS	NFPA	Health hazards 0	Flammability 0	Instability 0	-
Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit) Ceiling Maximum limit value * Skin designation Key literature references and sources for data used to compile the SDS Agency for Toxic Substances and Disease Registry (ATSDR) Stin designation U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)	HMIS	Health hazards 0	Flammability 0	Physical hazards 0	
TWATWA (time-weighted average)STELSTEL (Short Term Exposure Limit)CeilingMaximum limit value*Skin designationKey literature references and sources for data used to compile the SDSAgency for Toxic Substances and Disease Registry (ATSDR)U.S. Environmental Protection Agency ChemView DatabaseEuropean Food Safety Authority (EFSA)EPA (Environmental Protection Agency)Acute Exposure Guideline Level(s) (AEGL(s))U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide ActU.S. Environmental Protection Agency High Production VolumeFood Research JournalHazardous Substance DatabaseInternational Uniform Chemical Information Database (IUCLID)Japan GHS ClassificationAustralia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)	Key or legend to abbr	eviations and acronyms	used in the safety data sh	neet	
NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set RTECS (Registry of Toxic Effects of Chemical Substances) World Health Organization	TWATWCeilingMaxKey literature referenceAgency for Toxic SubstU.S. Environmental ProEuropean Food SafetyEPA (Environmental ProAcute Exposure GuidelU.S. Environmental ProU.S. Environmental ProU.S. Environmental ProFood Research JournaHazardous SubstanceInternational Uniform CJapan GHS ClassificatiAustralia National IndusNIOSH (National InstituNational Library of MedNational Toxicology ProNew Zealand's ChemicOrganization for EconoOrganization for EconoRTECS (Registry of To	A (time-weighted average) ximum limit value ces and sources for data ances and Disease Regist betection Agency ChemView Authority (EFSA) rotection Agency) ine Level(s) (AEGL(s)) betection Agency Federal Ins betection Agency High Product I Database chemical Information Datab on strial Chemicals Notification ute for Occupational Safety licine's ChemID Plus (NLM licine's PubMed database (ogram (NTP) cal Classification and Inform mic Co-operation and Deve mic Co-operation and Deve xic Effects of Chemical Su	STEL * used to compile the SDS ry (ATSDR) Database secticide, Fungicide, and Re uction Volume Chemicals ase (IUCLID) n and Assessment Scheme and Health) CIP) (NLM PUBMED) nation Database (CCID) elopment Environment, Hea elopment High Production V	Skin designation odenticide Act (NICNAS) alth, and Safety Publications /olume Chemicals Program	5

Prepared By	Bio-Rad Laboratories, Environmental Health and Safety
Revision date	29-Mar-2021
Revision Note Disclaimer	*** Indicates this information has changed since the previous revision.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Revision date 29-Mar-2021



Revision Number 1

CONJ FITC - Kallestad FITC Conjugate		
30446, 30480		
l and restrictions on use		
In-vitro laboratory reagent or component Restricted to professional users Use according to package label instructions		
Details of the supplier of the safety data sheet		
Manufacturer Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA	Legal Entity / Contact Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA	
1-800-224-6723 TechSupport.USSD@bio-rad.com		
CHEMTREC USA: 1 (800) 424-9300		
	30446, 30480 Jand restrictions on use In-vitro laboratory reagent or component Restricted to professional users Use according to package label instructions data sheet Manufacturer Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA 1-800-224-6723 TechSupport.USSD@bio-rad.com	

2. Hazard(s) identification

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements	

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance aqueous solution

Physical state Liquid

Odor No information available

Other information

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Component	Description			
CONJ FITC	Fluorescein conjugated ar	ntiserum to human immuno	globulins. 1% bovine seru	ım albumin. Phosphate
	Buffered Saline solution (p	0H ~ 7). 0.1% sodium azide	e preservative	
C	hemical name	CAS No	Weight-%	Trade secret
5	Sodium azide	26628-22-8	0.1 - 0.299	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice	No hazards which require special first aid measures.
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Rinse mouth thoroughly with water.
Most important symptoms and effe	cts, both acute and delayed
Symptoms	No information available.
Indication of any immediate medica	al attention and special treatment needed
Note to physicians	Treat symptomatically.
5. Fire-fighting measures	
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.
Specific hazards arising from the chemical	None known.
Explosion data Sensitivity to mechanical impac Sensitivity to static discharge	ct None. None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions See section 8 for more information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Advice on safe handling

Conditions for safe storage, including any incompatibilities

Storage Conditions Store according to product and label instructions.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium azide	Ceiling: 0.29 mg/m ³ Sodium	(vacated) S*	Ceiling: 0.1 ppm HN3
26628-22-8	azide	(vacated) Ceiling: 0.1 ppm HN3	Ceiling: 0.3 mg/m ³ NaN3
	Ceiling: 0.11 ppm Hydrazoic	(vacated) Ceiling: 0.3 mg/m ³	
	acid vapor	NaN3	

Appropriate engineering controls

Engineering controls Showers Eyewash stations

Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	aqueous solution
Color	clear
Odor	No information available
Odor threshold	No information available

CONJ FITC - Kallestad FITC Conjugate

Property	Values	Remarks • Method
pH	6-8	
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Miscible in water	
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information		
Other information	Natangliaghla	
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	
Softening point	Not applicable	
Molecular weight	Not applicable	
VOC Content (%)	Not applicable	

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Avoid contact with metals. This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds and toxic gases.
Conditions to avoid	None known based on information supplied.
Incompatible materials	Metals.

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information

vailable.
vailable.
vailable.
•

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

No information available.

Acute toxicity

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium azide	= 27 mg/kg (Rat)	= 20 mg/kg (Rabbit)	-
26628-22-8		= 50 mg/kg (Rat)	

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	No information available.
Other adverse effects	No information available.
Interactive effects	No information available.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	
Sodium azide 26628-22-8	-	LC50: =0.7mg/L (96h, Lepomis macrochirus) LC50: =0.8mg/L (96h, Oncorhynchus mykiss) LC50: =5.46mg/L (96h, Pimephales promelas)	-	-	
Persistence and degradability No information available.					

Bioaccumulation There is no data for this product.

Other adverse effects

No information available.

Waste treatment methods

Waste from residues/unused	Flush pipes with water frequently if discarding solutions containing sodium azide into metal
products	piping systems. Dispose of in accordance with local regulations. Dispose of waste in
	accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Sodium azide 26628-22-8	-	P105	-	-

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status	
Sodium azide	Ignitable	
26628-22-8	Reactive	

14. Transport information

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

International Inventories

Contact supplier for inventory compliance status

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Sodium azide - 26628-22-8	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium azide	1000 lb	1000 lb
26628-22-8		

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations

This product does not contain any substances regulated by state right-to-know regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium azide	X	Х	Х
26628-22-8			

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information					
NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and chemical properties -	
HMIS	Health hazards 0	Flammability 0	Physical hazards		
Key or legend to abbi	reviations and acronyms	used in the safety d	ata sheet		
TWATWCeilingMaKey literature referenAgency for Toxic SubsU.S. Environmental ProEuropean Food SafetyEPA (Environmental ProAcute Exposure GuideU.S. Environmental ProOute Exposure GuideU.S. Environmental ProJoan Research JournaHazardous SubstanceInternational Uniform CJapan GHS ClassificatAustralia National InduNIOSH (National InstituNational Library of MedNational Toxicology PrNew Zealand's ChemicOrganization for EcondOrganization for EcondOrganization for Econd	rotection Agency) line Level(s) (AEGL(s)) otection Agency Federal In otection Agency Federal In otection Agency High Prod I Database Chemical Information Datab ion strial Chemicals Notificatio ute for Occupational Safety dicine's ChemID Plus (NLM dicine's PubMed database ogram (NTP) cal Classification and Inforr omic Co-operation and Dev omic Co-operation and Dev	secticide, Fungicide, a used to compile the ry (ATSDR) Database secticide, Fungicide, a uction Volume Chemic base (IUCLID) n and Assessment So and Health) I CIP) (NLM PUBMED) nation Database (CCI elopment Environmer elopment High Produc	STEL (Short Skin designa SDS and Rodenticide Act cals heme (NICNAS) b, Health, and Safety Public ction Volume Chemicals Pr	cations	

Prepared By	Bio-Rad Laboratories, Environmental Health and Safety
Revision date	29-Mar-2021
Revision Note	*** Indicates this information has changed since the previous revision.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Revision date 01-Mar-2021



Revision Number 1

1. Identification		
Product identifier		
Product Name	BUF PBS - Phosphate Buffered Saline (PBS)	
Other means of identification		
Catalog Number(s)	31098	
Recommended use of the chemical and restrictions on use		
Recommended use	Restricted to professional users In-vitro laboratory reagent or component Use according to package label instructions	
Details of the supplier of the safety	y data sheet	
Corporate Headquarters Bio-Rad Laboratories Inc. 1000 Alfred Nobel Drive Hercules, CA 94547 USA	Manufacturer Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA	Legal Entity / Contact Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA
Technical Service	1-800-224-6723 TechSupport.USSD@bio-rad.com	
Emergency telephone number		
24 Hour Emergency Phone Number	CHEMTREC USA: 1 (800) 424-9300	

2. Hazard(s) identification

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC)

Not applicable

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Label elements

Haz	ard statements
	a hazardous substance or mixture according to the Globally Harmonized System (GHS)
	The product contains no substances which at their given concentration, are considered to be bazardous to bealth

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance Powder

Physical state Solid

Odor No information available

Other information

May be harmful if swallowed.

3. Composition/information on ingredients

Substance

Not applicable.

<u>Mixture</u>

Component	Description
BUF PBS***	Each vial contains 11.34 gm phosphate buffered saline prepared with dibasic sodium phosphate,
	monobasic sodium phosphate, and sodium chloride

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures		
Description of first aid measures		
General advice	No hazards which require special first aid measures.	
Inhalation	Remove to fresh air.	
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.	
Skin contact	Wash skin with soap and water.	
Ingestion	Rinse mouth thoroughly with water.	
Most important symptoms and effects, both acute and delayed		
Symptoms	No information available.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Treat symptomatically.	
5. Fire-fighting measures		
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Unsuitable extinguishing media	No information available.	
Specific hazards arising from the chemical	None known.	
Explosion data Sensitivity to mechanical impact None. Sensitivity to static discharge None.		
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.	

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures		
Personal precautions	See section 8 for more information.	
Methods and material for containm	nent and cleaning up	
Methods for containment	Prevent further leakage or spillage if safe to do so.	
Methods for cleaning up	Pick up and transfer to properly labeled containers.	
7. Handling and storage		
Precautions for safe handling		
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.	
Conditions for safe storage, including any incompatibilities		
Storage Conditions	Store according to product and label instructions.	
8. Exposure controls/personal protection		
Control parameters		
Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	
Appropriate engineering controls		
Engineering controls	Showers Eyewash stations Ventilation systems.	
Individual protection measures, such as personal protective equipment		
Eye/face protection	Wear safety glasses with side shields (or goggles).	
Hand protection	Wear suitable gloves.	
Skin and body protection	Wear suitable protective clothing.	
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.	
9. Physical and chemical properties		

Information on basic physical and chemical propertiesPhysical stateSolidAppearancePowderColorOff-whiteOdorNo information availableOdor thresholdNo information available

Property pH Melting point / freezing point Boiling point / boiling range Flash point Values 7-8 No data available No data available No data available

Remarks • Method

None known None known None known

Evaporation rate Flammability (solid, gas) Flammability Limit in Air Upper flammability or explosive limits	No data available No data available No data available	None known None known None known
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Miscible in water	
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information Explosive properties Oxidizing properties Softening point Molecular weight VOC Content (%)	Not applicable Not applicable Not applicable Not applicable Not applicable	

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information		
Inhalation	Specific test data for the substance or mixture is not available.	
Eye contact	Specific test data for the substance or mixture is not available.	
Skin contact	Specific test data for the substance or mixture is not available.	
Ingestion	May be harmful if swallowed.	
Symptoms related to the physical, chemical and toxicological characteristics		
Symptoms	No information available.	
Acute toxicity		
Numerical measures of toxicity		

The following values are calculated based on chapter 3.1 of the GHS document .

	(oral)
ATEmix	(dermal)

3,813.40 mg/kg 13,346.70 mg/kg

Delayed and immediate effects as well as chronic effects from short and long-term exposure		
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.	
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Reproductive toxicity	Based on available data, the classification criteria are not met.	
STOT - single exposure	Based on available data, the classification criteria are not met.	
STOT - repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	No information available.	
Other adverse effects	No information available.	
Interactive effects	No information available.	

12. Ecological information

Ecotoxicity

Persistence and degradability	No information available.
Bioaccumulation	There is no data for this product.
Other adverse effects	No information available.

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13. Disposal considerations

Waste treatment methods	
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14. Transport information

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

International Inventories

Contact supplier for inventory compliance status

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations This product does not contain any substances regulated by state right-to-know regulations

US State Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information				
NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and chemical properties -
HMIS	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection X

Key or legend to abbreviations and a	acronyms used in the sa	afety data sheet	
LegendSection 8: EXPOSURE CONTWATWA (time-weighteCeilingMaximum limit value	ed average)	DTECTION STEL *	STEL (Short Term Exposure Limit) Skin designation
Key literature references and source Agency for Toxic Substances and Dise U.S. Environmental Protection Agency European Food Safety Authority (EFSA EPA (Environmental Protection Agency Acute Exposure Guideline Level(s) (AE U.S. Environmental Protection Agency U.S. Environmental Protection Agency Food Research Journal Hazardous Substance Database International Uniform Chemical Informa Japan GHS Classification Australia National Industrial Chemicals NIOSH (National Institute for Occupation National Library of Medicine's PubMed National Library of Medicine's PubMed National Library of Co-operation Organization for Economic Co-operation Organization for Economic Co-operation RTECS (Registry of Toxic Effects of CH World Health Organization	ease Registry (ATSDR) ChemView Database A) (ChemView Database A) (ChemView Database (A) (ChemView Database (A) (Ch	picide, and Rodentic Chemicals nent Scheme (NICN D) re (CCID) ronment, Health, an Production Volume	AS) d Safety Publications Chemicals Program
Prepared By	Bio-Rad Laboratories, Er	nvironmental Health	and Safety
Revision date	01-Mar-2021		
Revision Note <u>Disclaimer</u>		C C	nce the previous revision.
The information provided in this Saf	ety Data Sheet is correct	t to the best of ou	r knowledge, information and belief

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Revision date 29-Mar-2021



Revision Number 1

1. Identification		
Product identifier		
Product Name	CTRL (+/-) - Kallestad Controls	
Other means of identification		
Recommended use of the chemica	and restrictions on use	
Recommended use	In-vitro laboratory reagent or component Restricted to professional users Use according to package label instructions	
Details of the supplier of the safety	data sheet	
<u>Corporate Headquarters</u> Bio-Rad Laboratories Inc. 1000 Alfred Nobel Drive Hercules, CA 94547 USA	<u>Manufacturer Address</u> Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA	Legal Entity / Contact Address Bio-Rad Laboratories 6565-185th Ave NE Redmond, WA 98052 USA
Technical Service	1-800-224-6723 TechSupport.USSD@bio-rad.com	
Emergency telephone number		
24 Hour Emergency Phone Number	CHEMTREC USA: 1 (800) 424-9300	

2. Hazard(s) identification

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards not otherwise classified (HNOC) Not applicable

Label elements

Hazard statements Not a hazardous substance or mixture according to the Globally Harmonized System (GHS) The product contains no substances which at their given concentration, are considered to be hazardous to health. Appearance aqueous solution Physical state Liquid Odor No information available

Other information

Contains human source material and / or potentially infectious components.

3. Composition/information on ingredients

Substance

Not applicable.

<u>Mixture</u>

Component	Description
Kallestad Positive Control	Kallestad Homogenous/ Anti-nDNA Positive control - Pooled human serum with a specific autoantibody
	activity. 1% bovine serum albumin. 0.1% sodium azide preservative
Kallestad Negative	Kallestad Negative Control - Pooled human serum. 1% bovine serum albumin. 0.1% sodium azide
Control	preservative

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice	No hazards which require special first aid measures.		
Inhalation	Remove to fresh air.		
Eye contact	Contains human source material and / or potentially infectious components. Call a physician.		
Skin contact	Wash skin with soap and water.		
Ingestion	Call a physician. Contains human source material and / or potentially infectious components.		
Most important symptoms and effect	cts, both acute and delayed		
Symptoms	No information available.		
Indication of any immediate medica	Indication of any immediate medical attention and special treatment needed		
Note to physicians	Contains human source material and / or potentially infectious components.		
Note to physicians 5. Fire-fighting measures	Contains human source material and / or potentially infectious components.		
	Contains human source material and / or potentially infectious components. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
5. Fire-fighting measures	Use extinguishing measures that are appropriate to local circumstances and the		
5. Fire-fighting measures Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
5. Fire-fighting measures Suitable Extinguishing Media Unsuitable extinguishing media Specific hazards arising from the	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. No information available. None known.		

fire-fighters	gear. Use personal protection equipment.	
6. Accidental release meas	sures	
Personal precautions, protective eq	uipment and emergency procedures	
Personal precautions	See section 8 for more information.	
Methods and material for containme	ent and cleaning up	
Methods for containment	Do not allow into any sewer, on the ground or into any body of water.	
Methods for cleaning up	Clean contaminated surface thoroughly. Use:. Disinfectant.	
7. Handling and storage		
Precautions for safe handling		
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.	
Conditions for safe storage, includi	ng any incompatibilities	
Storage Conditions	Store according to product and label instructions.	
8. Exposure controls/perso	onal protection	
Control parameters		
Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	
Appropriate engineering controls		
Engineering controls	Showers Eyewash stations Ventilation systems.	
Individual protection measures, suc	ch as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).	
Hand protection	Wear suitable gloves.	
Skin and body protection	Wear suitable protective clothing.	
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.	
General hygiene considerations	Follow universal and standard precautions for handling potentially infectious materials.	
9. Physical and chemical properties		
Information on basic physical and of Physical state	Liquid	

Liquid
aqueous solution
amber
No information available
No information available

Property pH Remarks • Method

Melting point / freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability Limit in Air Upper flammability or explosive limits	No data available No data available No data available No data available No data available No data available	None known None known None known None known None known
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	Miscible in water	
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information		
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	
Softening point	Not applicable	
Molecular weight	Not applicable	
VOC Content (%)	Not applicable	

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Avoid contact with metals. This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds and toxic gases.
Conditions to avoid	None known based on information supplied.
Incompatible materials	Metals.

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information	
Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.
Symptoms related to the physical, chemical and toxicological characteristics	
Symptoms	No information available.

Acute toxicity

Numerical measures of toxicity

Delayed and immediate effects as well as chronic effects from short and long-term exposure			
Skin corrosion/irritation	Based on available data, the classification criteria are not met.		
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.		
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.		
Germ cell mutagenicity	Based on available data, the classification criteria are not met.		
Carcinogenicity	Based on available data, the classification criteria are not met.		
Reproductive toxicity	Based on available data, the classification criteria are not met.		
STOT - single exposure	Based on available data, the classification criteria are not met.		
STOT - repeated exposure	Based on available data, the classification criteria are not met.		
Aspiration hazard	No information available.		
Other adverse effects	No information available.		
Interactive effects	No information available.		

12. Ecological information

Ecotoxicity				
_				

Persistence and degradability	No information available.
Bioaccumulation	There is no data for this product.
Other adverse effects	No information available.

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13. Disposal considerations

Waste treatment methods	
Waste from residues/unused products	Flush pipes with water frequently if discarding solutions containing sodium azide into metal piping systems. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

DOT	Not regulated
<u>TDG</u>	Not regulated
MEX	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

International Inventories

Contact supplier for inventory compliance status

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

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CWA (Clean Water Act)

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CERCLA

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US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations

This product does not contain any substances regulated by state right-to-know regulations

US State Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPAHealth hazHMISHealth haz		ability 0 ability 0	Instability 0 Physical hazards 0	Physical and chemical properties - Personal protection X	
Key or legend to abbreviations and	acronyms used in th	e safety data sh	leet		
	ed average)	PROTECTION STEL *	STEL (Short Terr Skin designation		
TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)					
Prepared By	Bio-Rad Laboratories	s, Environmental	Health and Safety		
Revision date	29-Mar-2021				

Revision Note

*** Indicates this information has changed since the previous revision.

Disclaimer

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End of Safety Data Sheet