



Version 1.7 Revision Date: 09-19-2019

Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

SECTION 1. IDENTIFICATION

Product name Product code	:	Phosphatase,alkaline(AP),MB Grade(1U/µI) 10713023001	
Manufacturer or supplier's Company name of supplier			nd GmbH
Address	:	: Sandhoferstrasse 116 68305 Mannheim Germany	
Telephone Telefax Emergency telephone	:	+496217590 +496217592890	
In case of emergencies:	:	CHEMTREC	+1 703-741-5970 / 1-800-424-9300

Recommended use of the chemical and restrictions on use

Restrictions on use : For professional users only.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

The product is a kit consisting of individual ingredients. The classification of the ingredients can be obtained from section 3. Section GHS Label elements contains the resulting labelling for the kit

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Phosphatase, alkaline

GHS Classification

Not a hazardous substance or mixture.

Components

Chemical name	CAS-No.	Concentration (% w/w)
glycerol	56-81-5	>= 50 - < 70
Alkaline phosphatase	9001-78-9	>= 1 - < 5
Zinc chloride (ZnCl2)	7646-85-7	< 0.1

Actual concentration is withheld as a trade secret

Alkaline Phosphatase Buffer, 10x conc.



Version 1.7 Revision Date: 09-19-2019

Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

GHS Classification

Not a hazardous substance or mixture.

Components

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

General advice	:	Do not leave the victim unattended.	
If inhaled	:	Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.	
In case of skin contact	:	If on skin, rinse well with water.	
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.	
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Rinse mouth with water.	
Most important symptoms and effects, both acute and delayed	:	No information available.	
Notes to physician	:	The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.	

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Specific hazards during fire fighting	:	No information available.
Further information	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES



Phosphatase,alkaline(AP),MB Grade(1U/µl)

Versio 1.7	on Revisio 09-19-		
t	Personal precautions, protec- tive equipment and emer- gency procedures	:	Refer to protective measures listed in sections 7 and 8.
E	Environmental precautions	:	Local authorities should be advised if significant spillages cannot be contained.
	Methods and materials for containment and cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
SECI	TION 7. HANDLING AND ST	OR/	AGE
	Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
ļ	Advice on safe handling	:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the a plication area.
(Conditions for safe storage	:	Electrical installations / working materials must comply with the technological safety standards.
	Further information on stor- age conditions	:	See label, package insert or internal guidelines
ſ	Materials to avoid	:	No materials to be especially mentioned.

Further information on stor-	:	No decomposition if stored and applied as directed.
age stability		

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Phosphatase, alkaline

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
glycerol	56-81-5	TWA (mist, respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (mist, total dust)	15 mg/m3	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m3	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m3	OSHA P0
Alkaline phosphatase	9001-78-9	IOEL	0.00006 mg/m3	Roche In- dustrial Hy- giene Com- mittee (RIHC)



Phosphatase,alkaline(AP),MB Grade(1U/µl)

Version	
1.7	

Revision Date: 09-19-2019

Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

Zinc chloride (ZnCl2)	7646-85-7	TWA (Fumes)	1 mg/m3	OSHA Z-1
		TWA (Fumes)	1 mg/m3	ACGIH
		STEL (Fumes)	2 mg/m3	ACGIH
		TWA (Fumes)	1 mg/m3	NIOSH REL
		ST (Fumes)	2 mg/m3	NIOSH REL

Alkaline Phosphatase Buffer, 10x conc.

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures	:	No data available		
Personal protective equipment Respiratory protection	nt :	No personal respiratory protective equipment normally requi- red.		
Hand protection				
Material	:	Protective gloves		
Remarks	:	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.		
Eye protection	:	Safety glasses		
Skin and body protection	:	Protective suit		
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Phosphatase, alkaline

Appearance	:	liquid
Color	:	clear, colorless
Odor	:	none
Odor Threshold	:	No data available
рН	:	7.6 (4 °C / 4 °C) (undiluted)
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available



Phosphatase,alkaline(AP),MB Grade(1U/µl)

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Vers 1.7		Revision E 09-19-201		te:	Date of last issue: 04-15-2019 Date of first issue: 09-17-2015
	Flash point	:	c	does not flash	
	Evaporation rate	:	١	No data availabl	e
	Flammability (liquids)	:	0	Does not sustair	n combustion.
			٦	The product is n	ot flammable.
	Self-ignition	:	١	No data availabl	e
	Upper explosion limit / flammability limit	Upper :	١	No data availabl	e
	Lower explosion limit / l flammability limit	Lower :	١	No data availabl	e
	Vapor pressure	:	١	No data availabl	e
	Relative vapor density	:	١	No data availabl	e
	Relative density	:	١	No data availabl	e
	Density	:	1	1.2 g/cm3 (20 °C	C / 20 °C)
	Solubility(ies) Water solubility	:	C	completely misc	ible
	Solubility in other so	lvents :	١	No data availabl	e
	Partition coefficient: n- octanol/water	:	١	No data availabl	e
	Autoignition temperatur	e :	١	No data availabl	e
	Decomposition tempera	ature :	١	No data availabl	e
	Viscosity Viscosity, dynamic	:	١	No data availabl	e
	Viscosity, kinematic	:	١	No data availabl	e
	Oxidizing properties	:	7	The substance o	or mixture is not classified as oxidizing.

Alkaline Phosphatase Buffer, 10x conc.

Appearance	:	liquid
Color	:	clear, colorless
Odor	:	none
Odor Threshold	:	No data available
рН	:	8.5 (20 °C / 20 °C)



Phosphatase,alkaline(AP),MB Grade(1U/µl)

Vers 1.7	ion	Revision 09-19-20			Date of last issue: 04-15-2019 Date of first issue: 09-17-2015
	Melting point/range		:	No data availabl	e
	Boiling point/boiling rar	nge	:	No data availabl	e
	Flash point		:	does not flash	
	Evaporation rate		:	No data availabl	e
	Flammability (liquids)		:	Does not sustair	a combustion.
				The product is n	ot flammable.
	Self-ignition		:	No data availabl	e
	Upper explosion limit / flammability limit	Upper	:	No data availabl	e
	Lower explosion limit / flammability limit	Lower	:	No data availabl	e
	Vapor pressure		:	No data availabl	e
	Relative vapor density		:	No data availabl	e
	Relative density		:	No data availabl	e
	Density		:	1.016 g/cm3	
	Solubility(ies) Water solubility		:	completely misc	ble
	Solubility in other so	olvents	:	No data availabl	e
	Partition coefficient: n- octanol/water		:	No data availabl	e
	Autoignition temperatu	re	:	No data availabl	e
	Decomposition temperation	ature	:	No data availabl	e
	Viscosity Viscosity, dynamic		:	No data availabl	e
	Viscosity, kinematic		:	No data availabl	e
	Oxidizing properties		:	The substance of	r mixture is not classified as oxidizing

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	No dangerous reaction known under conditions of normal use.



Version 1.7	Revision E 09-19-201		Date of last issue: 04-15-2019 Date of first issue: 09-17-2015
tions			commended storage conditions. be specially mentioned.
Conditions to avoi	d :	No data availab	le
Incompatible mate	erials :	Strong oxidizing	gagents
Hazardous decon products	nposition :	No decompositi	on if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Phosphatase, alkaline

Acute toxicity

Not classified based on available information.

Components:

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Result

glycerol:		
Acute oral toxicity	:	LD50 Oral (Rat): 12,600 mg/kg
		LD50 Oral (Mouse): 4,090 mg/kg
Acute inhalation toxicity	:	Acute toxicity estimate: > 30 mg/l Test atmosphere: vapor Method: Expert judgment
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 10,000 mg/kg
Alkaline phosphatase:		
Acute oral toxicity	:	Acute toxicity estimate: > 5,001 mg/kg Method: Expert judgment
Acute inhalation toxicity	:	Acute toxicity estimate: > 30 mg/l Test atmosphere: dust/mist Method: Expert judgment
Acute dermal toxicity	:	Acute toxicity estimate: > 5,001 mg/kg Method: Expert judgment
Zinc chloride (ZnCl2):		
Acute oral toxicity	:	LD50 Oral (Rat): 350 mg/kg
		LD50 Oral (Mouse): 329 mg/kg
Skin corrosion/irritation Not classified based on availa	able	information.
<u>Components:</u>		
Zinc chloride (ZnCl2):		

: Causes burns.

Components:



Phosphatase,alkaline(AP),MB Grade(1U/µl)

Serious eye damage/eye irritation

Not classified based on available information.

Version 1.7 Revision Date: 09-19-2019

Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

Zinc chloride (ZnCl2): Result Risk of serious damage to eyes. : Respiratory or skin sensitization Skin sensitization Not classified based on available information. **Respiratory sensitization** Not classified based on available information. **Components:** glycerol: Assessment Mild eye irritant, Mild respiratory irritant, No skin irritation : Germ cell mutagenicity Not classified based on available information. Carcinogenicity Not classified based on available information. **Components:** glycerol: Remarks No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. Zinc chloride (ZnCl2): Remarks No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. **OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.



Phosphatase,alkaline(AP),MB Grade(1U/µl)

Version 1.7 Revision Date: 09-19-2019

5

Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

Components:

Alkaline phosphatase:

Assessment

The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure

Not classified based on available information.

Components:

Alkaline phosphatase:

Assessment

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Components:

glycerol:

Repeated dose toxicity -	:	Mild eye irritant, Mild respiratory irritant, No skin irritation
Assessment		

Aspiration toxicity

Not classified based on available information.

Components:

Alkaline phosphatase:

No data available

Further information

Components:

Alkaline phosphatase:

Remarks

: Health injuries are not known or expected under normal use.

Alkaline Phosphatase Buffer, 10x conc.

Acute toxicity Not classified based on available information. Skin corrosion/irritation Not classified based on available information. Serious eye damage/eye irritation Not classified based on available information. Respiratory or skin sensitization Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.



Version 1.7 Revision Date: 09-19-2019

Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

- **IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- **OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
- **NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Phosphatase, alkaline

Ecotoxicity		
Components:		
glycerol:		
Toxicity to fish	:	LC50: > 100 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants	:	EC0 (Scenedesmus quadricauda (Green algae)): > 10,000 mg/l
Toxicity to fish (Chronic tox- icity)	:	> 1 mg/l
Toxicity to microorganisms	:	EC0 (Pseudomonas putida): > 10,000 mg/l Exposure time: 16 h
Ecotoxicology Assessment		
Acute aquatic toxicity	:	This product has no known ecotoxicological effects.
Chronic aquatic toxicity	:	This product has no known ecotoxicological effects.
Toxicity Data on Soil	:	Not expected to adsorb on soil.



Phosphatase,alkaline(AP),MB Grade(1U/µl)

	Revision 09-19-20		Date of last issue: 04-15-2019 Date of first issue: 09-17-2015
Other organisms releva the environment	nt to :	No data av	ailable
Alkaline phosphatase Toxicity to fish	:	LC50: > 10 Exposure t	
Toxicity to fish (Chronic icity)	tox- :	> 1 mg/l	
Ecotoxicology Assess Acute aquatic toxicity	ment :	This produ	ct has no known ecotoxicological effects.
Chronic aquatic toxicity	:		
		This produ	ct has no known ecotoxicological effects.
Toxicity Data on Soil	:	Not expect	ed to adsorb on soil.
Other organisms releva the environment	nt to :	No data av	ailable
Zinc chloride (ZnCl2): Toxicity to daphnia and aquatic invertebrates	other :	EC50 (Dap Exposure t	hnia magna (Water flea)): 0.33 mg/l ime: 48 h
Ecotoxicology Assess Acute aquatic toxicity	ment :	Very toxic	to aquatic life.
Chronic aquatic toxicity	:	Very toxic	to aquatic life with long lasting effects.
Toxicity Data on Soil	:	Not expect	ed to adsorb on soil.
Other organisms releva the environment	nt to :	No data av	ailable
Persistence and degra	dability		
Components:			
glycerol: Biodegradability	:		The product is miscible in water and readily bio both water and soil. Accumulation is not expe



Phosphatase,alkaline(AP),MB Grade(1U/µl)

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Version 1.7	Revis 09-19			Date of last issue: 04-15-2019 Date of first issue: 09-17-2015
Bioaccumulat	ive potential			
Components:				
glycerol:				
Partition coeffic octanol/water	cient: n-	:	log Pow: -2.66	
Alkaline phos	phatase:			
Partition coeffic octanol/water	cient: n-	:	Remarks: No da	ata available
Zinc chloride ((ZnCl2):			
Partition coeffic octanol/water	cient: n-	:	Remarks: No da	ata available
Mobility in soi	I			
No data availat	ble			
Other adverse	effects			

Alkaline Phosphatase Buffer, 10x conc.

Ecotoxicity No data available Persistence and degradability No data available Bioaccumulative potential No data available Mobility in soil No data available Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues	:	Can be disposed as waste water, when in compliance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG



Phosphatase,alkaline(AP),MB Grade(1U/µl)

Version 1.7

Revision Date: 09-19-2019

Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

Not regulated as a dangerous good

Not regulated as a dangerous good **IMDG-Code**

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

Domestic regulation

49 CFR

IATA-DGR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

Phosphatase, alkaline

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Zinc chloride (ZnCl2)	7646-85-7	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
SARA 311/312 Hazards	: No SARA Hazards	

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

glycerol 56-81-5 >= 50 - < 70 %

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Zinc chloride (ZnCl2) 7646-85-7 >= 0 - < 0.1 %The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Zinc chloride (ZnCl2) 7646-85-7 >= 0 - < 0.1 %This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307



Phosphatase,alkaline(AP),MB Grade(1U/µl)

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Vers 1.7	ion	Revision E 09-19-201		Date of last issue: 04 Date of first issue: 09	
	US State Regulation	S			
	Massachusetts Righ	t To Know			
	glycerol				56-81-5
	Pennsylvania Right	To Know			56-81-5
	glycerol Water				7732-18-5
	Maine Chemicals of	High Conce	ern		
	Vermont Chemicals	of High Cor	ncern		
	Washington Chemic	als of High	Concern		
	California Permissib	le Exposur	e Limits for Cher	nical Contaminants	
	glycerol				56-81-5
	The ingredients of this product are reported in the following inventories: DSL : This product contains the following components listed				
	DSL	÷		All other components	•
			Alkaline phospha	itase	
	AICS	:	Not in complianc	e with the inventory	
	NZIoC	:	On the inventory	, or in compliance with	the inventory
	ENCS	:	Not in complianc	e with the inventory	
	ISHL	:	Not in complianc	e with the inventory	
	KECI	:	On the inventory	, or in compliance with	the inventory
	PICCS	:	Not in complianc	e with the inventory	
	IECSC	:	On the inventory	, or in compliance with	the inventory
	TCSI	:	On the inventory	, or in compliance with	the inventory
	TSCA	:	All substances lis	sted as active on the T	SCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

Alkaline Phosphatase Buffer, 10x conc.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.





Version 1.7 Revision Date: 09-19-2019

Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)
SARA 311/312 Hazards	: No SARA Hazards	

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

Pennsylvania Right To Know

Water	7732-18-5
1,3-Propanediol, 2-amino-2-(hydroxymethyl)-, hydrochloride	1185-53-1
(1:1)	

Maine Chemicals of High Concern

Vermont Chemicals of High Concern

Washington Chemicals of High Concern

The ingredients of this product are reported in the following inventories:

DSL	:	All components of this product are on the Canadian DSL
AICS	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory



Phosphatase,alkaline(AP),MB Grade(1U/µl)

Version	Revision Date:	Date of last issue: 04-15-2019
1.7	09-19-2019	Date of first issue: 09-17-2015
TCSI	: On the invo	entory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

Phosphatase, alkaline

GHS label elements

Not a hazardous substance or mixture. *Alkaline Phosphatase Buffer, 10x conc.*

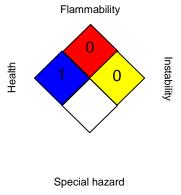
GHS label elements

Not a hazardous substance or mixture.

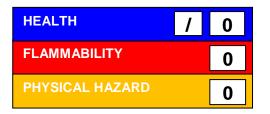
SECTION 16. OTHER INFORMATION

Further information *Phosphatase, alkaline*





HMIS® IV:

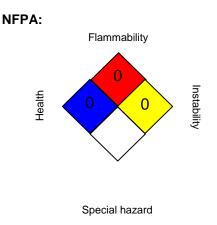


HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Alkaline Phosphatase Buffer, 10x conc.



Version 1.7 Revision Date: 09-19-2019



Date of last issue: 04-15-2019 Date of first issue: 09-17-2015

HMIS® IV:

HEALTH	1	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Distributor

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Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance: ELx - Loading rate associated with x% response: EmS - Emergency Schedule: ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG -



Phosphatase,alkaline(AP),MB Grade(1U/µl)

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United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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