

Vers 1.0	sion	Revision Date: 07/04/2023	-	0S Number: 0000059551	Date of last issue: - Date of first issue: 07/04/2023
SEC	CTION 1.				
	Product	t name	:	PYRAMID® 4 Lyc	ophilisate
Synonyms		:	Bovine Rhinotracheitis – Virus Diarrhea – Parainfluenza 3 Respiratory Syncytial Virus Vaccine, Modified Live Virus. USDA Code 1181.25 with: Infectious Bovine Rhinotracheitis Virus/Bovine Virus Diarrhea Type 1/Bovine Parainfluenza 3 Virus/Bovine Res piratory Syncytial Virus, Modified Live Virus		
	Manufa	acturer or supplier's	deta	ils	
	Compa	ny name of supplier	:	Boehringer Ing. P	harma GmbH & Co.KG
	Address	S	:	Binger Straße 173 Ingelheim 55216 Germany	
	Telepho	one	:	+498007790900	
	Prepare	ed by	:	EHS-Services@B	Boehringer-Ingelheim.com
	Emerge ber	ency telephone num-	:		elephone number: +1 703-527-3887 ncy Telephone number: +49800 1817059
	Recom	mended use of the c	hen	nical and restriction	ons on use
	Recom	mended use	:	Veterinary produc	xt
	Restrict	tions on use	:		t only for the professional user., For veteri- fer to the product insert for complete instruc-

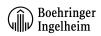
### **SECTION 2. HAZARDS IDENTIFICATION**

# GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

### **GHS** label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required



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This c (GHS	<b>Other hazards</b> This drug is not subject to the labelling requirements under the Globally Harmonized System (GHS) The pharmacological effect of the medicament has to be considered (see package leaflet).								
SECTION	SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS								
Subst	ance / Mixture	: Mixture							

Chemical nature : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)			
sucrose	57-50-1	>= 20 - < 30			
Actual concentration is withheld as a trade source					

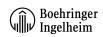
Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. (show the package insert where possible). First Aid responders should pay attention to self-protection and use the recommended protective clothing Remove from exposure, lie down. Victim to lie down in the recovery position, cover and keep him warm.
If inhaled	:	Move to fresh air.
In case of skin contact	:	Wash off immediately with plenty of water.
In case of eye contact	:	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing.
If swallowed	:	Rinse mouth. Drink plenty of water.
Most important symptoms and effects, both acute and delayed	:	No information available.
Notes to physician	:	Observe the summary of product characteristics of proprietary medicinal products Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Water Dry chemical Foam Carbon dioxide (CO2)



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	Unsuita media	able extinguishing	:	None known.	
	Specifi fighting	c hazards during fire-	:	In case of fire and	I/or explosion do not breathe fumes.
	Hazarc ucts	lous combustion prod-	:	Carbon oxides	
	Further information		:	Collect contaminated fire extinguishing water separately. must not be discharged into drains. Fire residues and contaminated fire extinguishing water not be disposed of in accordance with local regulations.	
	Specia for firef	l protective equipment ighters	:		e, wear self-contained breathing apparatus. tecting against chemicals

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Wear personal protective equipment. Ensure adequate ventilation.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system.
Methods and materials for containment and cleaning up	:	Pick up and transfer to properly labelled containers. Clean with disinfectants.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	No special protective measures against fire required.
Advice on safe handling	:	Provide sufficient air exchange and/or exhaust in work rooms.
Conditions for safe storage	:	Refer to the product insert for instructions on storage.
Materials to avoid	:	Keep away from food, drink and animal feedingstuffs. Observe joint storage prohibition.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

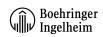
### Components with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
sucrose	57-50-1	TWA	10 mg/m3	ACGIH
		TWA (Res- pirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL

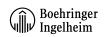


rsion )	Revision Date: 07/04/2023		S Number: 0000059551	Date of las Date of firs	t issue: - t issue: 07/04/202	23			
				TWA (total dust)	15 mg/m3	OSHA Z-1			
				TWÁ (respir- able fraction)	5 mg/m3	OSHA Z-1			
				TWA (Total dust)	15 mg/m3	OSHA P0			
				TWA (respir- able dust fraction)	5 mg/m3	OSHA P0			
Engir	neering measures	:	Local exhaus	t					
Perso	onal protective equip	ment							
Kespi	ratory protection	:	maintain vap concentration known, appro Follow OSHA use NIOSH/M by air purifyin ous chemical respirator if the exposure leve	or exposures bel as are above reco opriate respirator respirator regul ISHA approved g respirators aga is limited. Use a here is any poter els are unknown	ntilation is recommended ow recommended ommended limits y protection shoul ations (29 CFR 19 respirators. Prote- ainst exposure to positive pressure tial for uncontrolle , or any other circ may not provide	d limits. Where or are un- ld be worn. 910.134) and ction provided any hazard- e air supplied ed release, umstance			
	protection aterial	:	: Nitrile rubber						
Re	emarks	:	material, the		nds amongst othe e type of glove ar case.				
Eye p	rotection	:		es with side-shiel ry when using fu					
Skin a	and body protection	:	Laboratory: la	aboratory coat; F	actory: disposab	le Overall.			
Protec	ctive measures	:	practice. Do not breath Avoid contact Only use prot al/internation about wearing	ne dust. t with skin, eyes rective equipmer al regulations. Fo g personal prote	od industrial hygi and clothing. It in accordance v blow the national ctive equipment a for the safe function	vith nation- regulations and the warran-			
Hygie	ne measures	:	Wash hands handling the		breaks and imme	diately after			

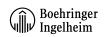
### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



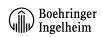
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	Appear	ance	:	lyophilisate	
(	Colour		:	red, white	
(	Odour		:	odourless	
I	рН		:	No data available	9
I	Melting	point/range	:	No data available	)
I	Boiling	point/boiling range	:	Not applicable	
I	Flash p	oint	:	Not applicable	
I	Flamma	ability (solid, gas)	:	No data available	)
:	Self-igr	ition		No data available	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	)
,	Vapour	pressure	:	Not applicable	
I	Relative	e vapour density	:	Not applicable	
	Relative	e density	:	No data available	9
ļ	Bulk de	nsity	:	No data available	9
:	Solubili Wat	ty(ies) er solubility	:	soluble	
	Partition octanol	n coefficient: n- /water	:	No data available	
	Auto-ig	nition temperature	:	No data available	)
I	Decom	position temperature	:	No data available	9
,	Viscosi Visc	ty osity, dynamic	:	Not applicable	
	Visc	osity, kinematic	:	Not applicable	
I	Explosi	ve properties	:	Not tested	
	Oxidizir	ng properties	:	No data available	9



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Pa	article size	:	No data available	9			
SECTI	ON 10. STABILITY AND RE	AC	ΤΙVITY				
Re	eactivity	:	No dangerous re	action known under conditions of normal use.			
Cł	nemical stability	:	No decompositio	n if stored and applied as directed.			
	ossibility of hazardous reac- ns	:	No dangerous re	action known under conditions of normal use.			
Co	onditions to avoid	:	No data available	9			
Inc	compatible materials	:	No data available	9			
	azardous decomposition oducts	:	No data available	9			
Co su Ac Sk No Se No	Acute toxicity   Not classified based on available information.   Components:   sucrose:   Acute oral toxicity : LD50 (Rat): 29,700 mg/kg   Skin corrosion/irritation   Not classified based on available information.   Serious eye damage/eye irritation   Not classified based on available information.   Respiratory or skin sensitisation						
	kin sensitisation						
Re	Not classified based on available information. <b>Respiratory sensitisation</b> Not classified based on available information.						
No	Germ cell mutagenicity Not classified based on available information. <u>Components:</u>						
	sucrose: Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay Result: negative						
	<b>Carcinogenicity</b> Not classified based on available information.						



ersion 0	Revision Date: 07/04/2023		S Number: 0000059551	Date of last issue: - Date of first issue: 07/04/2023	
IARC No component of this product present at levels greater than or equal to identified as probable, possible or confirmed human carcinogen by IAF					
OSH	No component of this product present at levels greater than or equal to 0.1% on OSHA's list of regulated carcinogens.				
NTP	P No component of this product present at levels greater than or equal to 0.1% i identified as a known or anticipated carcinogen by NTP.				
Repro	oductive toxicity				
Not cl	lassified based on ava	ilable i	information.		
STOT	- single exposure				
Not cl	lassified based on ava	ilable i	information.		
STOT	- repeated exposure	•			
Not cl	lassified based on ava	ilable i	information.		
Aspir	ation toxicity				
Not cl	lassified based on ava	ilable i	information.		
	stence and degradab ponents:	onity			
sucro	ose:				
Biode	gradability	:	Remarks: No data available		
Bioad	ccumulative potentia	l			
Com	ponents:				
sucro	ose:				
	ion coefficient: n- ol/water	:	log Pow: -3.27		
	<b>lity in soil</b> ata available				
Othe	r adverse effects				
Prod					
	e-Depletion Potential	:	tection of Stra Substances Remarks: This	CFR Protection of Environment; Part 82 Pro- tospheric Ozone - CAA Section 602 Class I product neither contains, nor was manufac- lass I or Class II ODS as defined by the U.S.	



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SECTION	13. DISPOSAL CONS	IDEF	RATIONS	
-	osal methods e from residues	:	Dispose of in acc	ordance with local regulations.
Contaminated packaging		:	Packs that cannot be cleaned should be disposed of in the same manner as the contents. Uncontaminated packaging can be recycled.	

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

IATA-DGR 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 for product as supplied.

**National Regulations** 

**49 CFR** Not regulated as a dangerous good

Special precautions for user

Not applicable

### **SECTION 15. REGULATORY INFORMATION**

### **CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

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

This material does not contain any components with a section 302 EHS TPQ.

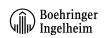
SARA 311/312 Hazards	:	No SARA Hazards
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### 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).



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Accio This	dental Release Prevention	on (40 CFR 68.130, \$ n any chemicals liste	d under the U.S. Clean Air Act Section 111
Clea	n Water Act		
	following Hazardous Sul 16.4A:	ostances are listed u	nder the U.S. CleanWater Act, Section 311, Ta-
The 1 117.3			>= 0 - < 0.1 % der the U.S. CleanWater Act, Section 311, Table
This 307	potassium hydroxi product does not contai		>= 0 - < 0.1 % listed under the U.S. Clean Water Act Section
This	product does not contai	n any priority pollutar	nts related to the U.S. Clean Water Act
US S	state Regulations		
Mas	sachusetts Right To K	now	
	sucrose		57-50-1
Penr	nsylvania Right To Kno Protein hydrolyzat sucrose Gelatins potassium hydroxi	es, animal	100085-61-8 57-50-1 9000-70-8 1310-58-3
Main	e Chemicals of High C		
		contain any listed che	emicals
Vern	nont Chemicals of Higl Product does not o	n <b>Concern</b> contain any listed che	emicals
Was	hington Chemicals of	High Concern	
	Product does not o	contain any listed che	emicals
WAR is/are		California to cause bi	nicals including Neomycin, sulfate (salt), which rth defects or other reproductive harm. For more
Calif	ornia Permissible Exp	osure Limits for Ch	emical Contaminants
	sucrose		57-50-1
		-	in the following inventories:
TCS		: On the invento	ry, or in compliance with the inventory
TSC	4	: Product contain	ns substance(s) not listed on TSCA inventory.
AIIC		: Not in compliar	nce with the inventory
DSL			ontains the following components that are not an DSL nor NDSL.
		Protein hydroly	zates, animal



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			Gentamicin sulfat	e
ENCS		:	Not in compliance	e with the inventory
ISHL		: Not in compliance with the invent		e with the inventory
KECI	KECI		Not in compliance	e with the inventory
PICCS		:	On the inventory,	or in compliance with the inventory
IECSC		:	On the inventory,	or in compliance with the inventory
NZIoC		:	On the inventory,	or in compliance with the inventory
TECI		:	Not in compliance	e with the inventory

### **TSCA** list

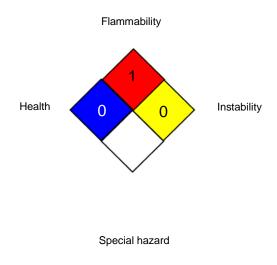
No substances are subject to a Significant New Use Rule.

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

### **SECTION 16. OTHER INFORMATION**

### Further information

NFPA 704:



### 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.

### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA PO	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants



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NIOSH	H / TWA H REL / TWA . P0 / TWA . Z-1 / TWA		average concentration for up to a 10-hour a 40-hour workweek ighted average

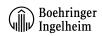
AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; 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; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

Sources of key data used to : The specifications are based on own tests and/or literature data. Sheet

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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.



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