

SAFETYDATA SHEETS

According to the UN GHS revision 9

Version: 1.0 Creation Date: Mar. 18, 2024 Revision Date: Mar. 18, 2024

					Rev	ision Date: Mar. 18
1.	Identification					
.1	GHS Product identifier					
	Product name	ELISAtest assay				
.2	Other means of identificat	ion				
	Product number Other names	-ELK4603 -				
3	Recommended use of the o	hemical and restrictio	ns on use			
	Identified uses Uses advised against	For research use only. no data available				
1	Supplier's details					
•	Company Address Telephone		nologyCO.,Ltd. Dptics Valley Precision Medical In Fech Development Zone, Wuhan,		1,No.9 Gaoke	yuan 3rd
_						
5	Emergency phone number					
	Emergency phone number Service hours	+86-18986165840 Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).				
	Hazard identification					
1	Classification of the substance or mixture Not classified.					
2	GHS label elements, inclu	ling precautionary sta	tements			
-	Hazard pictogram(s) Signal word Hazard statement(s) Precautionary statement(s) Prevention Response Storage Disposal	No symbol. No signal word none none none none none				
.3	Other hazards which do no no data available		n			
•	Composition/informati	on on ingredients				
1	Substances					
	not applicable					
2	Mixtures					
	Chemical	name	Common names and synonyms	CAS number	EC number	% [weight]
	Water		Water	7732-18-5	231-791-2	78.39%
	Sodium ch	loride	Sodium chloride	7647-14-5	231-598-3	14.16%
	Sucros	e	Sucrose	57-50-1	200-334-9	2.28%
	Poly(oxy-1,2-ethanediyl)α,-hydro- ethoxyla		Poly (ethylene glycol) - 4000	25322-68-3	500-038-2	1.33%
	Potassium sodiu	ım tartrate	Potassiumsodium tartrate tetrahydrate	6381-59-5	613-385-0	1.07%

ELISAtest assay

Page 1 of 8

0.81%

0.63%

0.51%

0.42%

0.35%

0.05%

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Potassiumchloride

Phosphoric acid, sodium salt, hydrate (1:2:12)

Glycerol

Trisodiumcitrate

2-Pyrrolidinone, 1-ethenyl-, homopolymer

Potassium dihydrogenorthophosphae

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Potassium dihydrogen phosphate 7778-77-0 231-913-4

7447-40-7 231-211-8

10039-32-4 600-088-6

68-04-2 200-675-3

9003-39-8 618-363-4

200-289-5

56-81-5

Potassiumchloride

disodium hydrogen phosphate

Glycerol

Sodium citrate

PVP40



4.	First-aid measures					
4.1	Description of necessary fir	st-aid measures				
	Following inhalation					
		athing is difficult, give oxygen. Ifnot breathing nouth resuscitation if the victim ingested or in	g, give artificial respiration and consult a doctor naled the chemical.			
	Following skin contact					
		ediately. Wash off with soap and plenty of wate	r.			
	Following eye contact					
	Rinse with pure water for at least 15	minutes.				
	Following ingestion	ice vomiting. Never give anything by mouth to	an unconsciousnerson			
4.2	Most important symptoms/		an unconsciousperson.			
	no data available	•				
4.3	Indication of immediate me no data available	dical attention and special treatm	ent needed, if necessary			
5.	Fire-fighting measures					
5.1	Suitable extinguishing med	ia				
	Use dry chemical, carbon dioxide or	alcohol-resistantfoam.				
5.2	Specific hazards arising fro	om the chemical				
	Hazardous combustion produ-	ets				
	no data available					
5.3	Special protective actions f Wear self-contained breathing appar	8				
6.	Accidental release meas	ures				
6.1	Personal precautions, prote	ctive equipment and emergency p	rocedures			
011	Ventilation. Collect leaking and spilled liquid in covered containers as far as possible. Absorb remaining liquid in sand or inert absorbent. Then store and dispose of according to local regulations.					
6.2	Environmental precautions					
	Prevent further spillage or leakage i avoided.	fit is safe to do so. Do not let the chemical ente	er drains. Discharge into the environment must be			
6.3		containment and cleaning up				
			for disposal. Remove all sources of ignition. Use spark- e promptly disposed of, in accordance with appropriate			
7.	Handling and storage					
7.1	Precautions for safe handli	ng				
	Handling in a well ventilated place. Prevent fire caused by electrostatic	Avoid contact with skin and eyes. Avoid form discharge steam.	ation ofdust and aerosols. Use non-sparking tools.			
7.2	Ũ	, including any incompatibilities				
	Store the container tightly closed in	a dry, cool and well-ventilatedplace. Store apa	rt from foodstuff containers or incompatiblematerials.			
8.	Exposure controls/perso	onal protection				
8.1	Control parameters					
	Occupational Exposure limit values					
	pure CAS 56-81-5: MAK: (inhalable fraction): 200 mg/m3; peak limitation category: I(2); pregnancy risk group: C					
	Biological limit values					
• •	no data available					
8.2	Appropriate engineering c		d - free and the side			
	elimination area.	in accordance with good industrial hygiene a	nd safety practice. Setup emergency exits and the risk-			
8.3	Individual protection meas	ures, such as personal protective e	quipment (PPE)			
ELISA	test assay		Page 2 of 8			
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ogy						
	Eye/face protection					
	Wear safety goggles.					
	Skin protection					
	Handle with gloves. Wash and dry hand	S.				
111110	Respiratory protection					
	1 .1	tion or other symptoms are experienced, use a full-face respirator.				
	Thermal hazards					
	no data available					
	Physical and chemical pro	nerties				
		-				
	Physicalstate Colour	Transparentliquid. Colourless.				
	Odour	Weak odour.				
	Melting point/freezing point Boiling point or initial boiling point and boiling range	pure CAS7732-18-5:0。 C;pure CAS7647-14-5:801 °C. Atm. press.:1 atm.;pure CAS57-50-1: 190-192。 C;pure CAS6381-59-5:70-80。 C;pure CAS7447-40-7:770-773°C;pure CAS 10039- 32-4:35。 C;pure CAS56-81-5: 18°C;pure CAS68-04-2: > 300°C;pure CAS778-77-0: 253°C pure CAS7732-18-5: 100°C(it);pure CAS7647-14-5: 1465°C/1 atm(lit);pureCAS57-50-1: 697.1。 C at 760 mmHg;pure CAS6381-59-5:399.3。 C at 760 mmHg;pure CAS7447-40-7:				
	and bonnig range	146°C;pure CAS 10039-32-4: 158°. C at 760 mmHg;pureCAS56-81-5:290°C;pure CAS7778- 77-0: > 449.85°C. Atm. press.:Pa.				
	Flammability	non flammable				
	Lower and upper explosion limit/flammability limit	no data available				
	Flashpoint	no data available				
	Auto-ignitiontemperature Decompositiontemperature	pure CAS 56-81-5: 393°C no data available				
	рН	pure CAS 7447-40-7: 7. Remarks: Temperature and concentration not reported.; pure CAS 68-04-				
	Kinematic viscosity	2: 8.4. Remarks:Ambienttemperature.;pureCAS7778-77-0:Between 4,2 and 4,8 (1 % solution) pure CAS56-81-5: dynamic viscosity (in mPa s) = 1 412. Temperature:20°C;dynamic viscosity (in mPa s) = 612. Temperature:30.0°C;dynamic viscosity (in mPa s) = 14.8. Temperature:100.0°C.				
	Solubility	pure CAS 7647-14-5: In water: 317 g/L. Temperature:20 °C, pH:>= 7 - <= 10. Remarks:At 1 vol%;pure CAS 57-50-1: Solubility in water, g/100 ml at 25°C: 200 ;pure CAS6381-59-5: In water: 630 g/L (20 。 C);pure CAS 7447-40-7: Solubility in water at 20°C: good ;pure CAS 10039-32-4: In water: 218 g/L (20 。 C);pure CAS 56-81-5: Solubility in water: miscible;pure CAS 68-04-2: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS7778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS7778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS7778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS7778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS7778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS7778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS7778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS7778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-77-0: Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-778-770-70; Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-778-770; Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-778-770; Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-778-770; Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-778-770; Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-778-770; Solubility in water, g/100 ml at 25°C: 42.5 ;pure CAS778-778-770; Solubility in water, g/100 ml at 25°C; 42.5 ;pure CAS778-778-770; Sol				
	Partition coefficient n-octanol/water Vapour pressure	pure CAS57-50-1: -3.67;pure CAS56-81-5: -1.76;pure CAS 68-04-2: log Pow = -1.72. pure CAS 7732-18-5: 3 mmHg (37 °C);pure CAS 7647-14-5: 1 mmHg (865 °C);pure CAS				
	Density and/or relative density	56-81-5: 0.01 Pa(25°C);pure CAS68-04-2: 0 Pa. Temperature:25 °C. Remarks:Extrapolated,;pureCAS7778-77-0: 4.5 fPa. Temperature:25 °C. pure CAS7732-18-5: 1.000g/mL at 3.98°C(lit.);pure CAS7647-14-5: 2.16. Temperature:25				
		°C.;pure CAS57-50-1: 1.6 g/cm3;pure CAS6381-59-5: 1.79;pureCAS 7447-40-7: 1.98 g/cm3;pure CAS 10039-32-4: 1.52 g/cm3;pureCAS56-81-5: 1.26;pureCAS68-04-2: 1.857. Temperature:20 °C.;pure CAS7778-77-0:2.34 g/cm3				
	Relative vapour density Particlecharacteristics	pure CAS7732-18-5: <1 (vs air);pureCAS56-81-5: 3.1 (vs air) not applicable				
0.	Stability and reactivity					
0.1	Reactivity No hazardous reactions if stored and har	ndled as prescribed/indicated.				
	Chemical stability					
	Stable under recommendedstorage con	ditions				
	5					
	Possibility of hazardous react					
	No hazardous reactions are known und	er conditionsothormal use.				
	Conditions to avoid Avoid high temperatures and direct sunl	ight.				
	Incompatible materials no data available					
	Hazardous decomposition pro	oducts				
		fstored and handled as prescribed/indicated.				
	Toxicological information					
	-					
LISAtest	t assay	Page 3 of 8				

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Acute toxicity

- ELK Biotechnology Oral: pure CAS 25322-68-3: LD50 - rat (female) - > 2 000 mg/kgbw.;pure CAS 7447-40-7: LD50 - rat (female) - ca. 3 020 mg/kgbw. Remarks:Death occurred in less than 2 hours after dosing due to respiratory failure and prostration was the most common pre-mortem clinical sign.;pure CAS 56-81-5: LD50 Rat oral 12.6 g/kg;pure CAS 68-04-2: LD50 - mouse (male/female) - 5 400 mg/kgbw. Remarks:Observation limited to 10 days.;pure CAS7778-77-0: LD50 Mouse oral 2820 mg/kgbw Inhalation: pure CAS 56-81-5: LC50 Rat inhalation > 570 mg/cu m/1 hr Dermal: pure CAS 25322-68-3: LD50 - rat (male/female) - > 2 000 mg/kgbw.;pure CAS 68-04-2: LD50 - rat (male/female) - > 2 000 mg/kgbw.;pure CAS 7778-77-0: LD50 - rat (male/female) - > 2 000 mg/kg bw.

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT-single exposure

pure CAS 57-50-1: May cause mechanical irritation:;pure CAS 7447-40-7: The substance is irritating to the eyes and respiratory tract. Ingestion of large amounts could cause effects on the cardiovascular system. This may result in cardiac dysrhythmia.;pure CAS 68-04-2: The substance is irritating to the eyes and respiratory tract.;pure CAS 7778-77-0: The substance is irritating to the eyes, skin and respiratory tract.

STOT-repeated exposure

pure CAS 57-50-1: The substance may have effects on the teeth. This may result in dental caries. Repeated or prolonged contact with skin may cause dermatitis

Aspiration hazard

The CAS 25322-68-3: A nuisance-causing concentration of airborne particles can be reached quickly when dispersed, pure CAS7447-40-7: Evaporation at 20°C is negligible; a nuisance-causing concentration of airborne particles can, however, be reached quickly when dispersed, especially if powdered. pure CAS 56-81-5: Evaporation at 20°C is negligible; a nuisance-causing concentration of airborne particles can, however, be reached quickly on spraying.;pure CAS 68-04-2: Evaporation at 20°C is negligible; a nuisance-causing concentration of airborne particles can, however, be reached quickly when dispersed, pure CAS 7778-77-0: A harmful concentration of airborne particles can be reached quickly when dispersed, specially if powdered.

12. **Ecological information**

12.1 Toxicity

- Toxicity to fish: pure CAS 7647-14-5: LC50 Lepomis macrochirus 5 840 mg/L 96 h.;pure CAS 25322-68-3: LC50 Poecilia reticulata -> 100 mg/L 96 h.;pure CAS 7447-40-7: LC50 Pimephales promelas 880 mg/L 96 h.;pure CAS 56-81-5: LC50 Oncorhynchus mykiss (previous name: Salmogairdneri) 54 000 mg/L 96 h.;pure CAS 68-04-2: LC50 Leuciscusidus melanotus 440 mg/L 48 h.;pure CAS 7778-77-0: LC50 Oncorhynchus mykiss (previous name: Salmo gairdneri) -> 100 mg/L 96 h.
- Toxicity to daphnia and other aquatic invertebrates:pure CAS 7647-14-5: LC50 Daphnia magna 874 mg/L 48. Remarks:Complete immobilisation and no response to gentle agitation:pure CAS 25322-68-3: LC50 Daphnia magna 9 096.488 mg/L 24 h:pure CAS 7447-40-7: EC50 see below >= 440 <= 880 mg/L 48 h:pure CAS 56-81-5: LC50 Daphnia magna 1 955 mg/L 48 h:pure CAS 68-04-2: LC50 Daphnia magna 1 955 mg/L 48 h.pure CAS 7778-77-0: EC50 Daphnia magna > 100 mg/L 48 h. Remarks: Phosphate.
- Remarks:Phosphate. Toxicity to algae: pure CAS 7647-14-5: EC50 Nitzschia sp. 2 430 mg/L 120 h.;pure CAS 25322-68-3: EC50 Pseudokirchneriella subcapitata(previous names: Raphidocelissubcapitata, Selenastrumcapricornutum) 15.915 mg/L 72 h.;pure CAS 7447-40-7: EC50 Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) -> 100 mg/L 72 h.;pure CAS 56-81-5: EC3 Scenedesmus quadricauda -> 10 000 mg/L 8 d.;pure CAS 68-04-2: Toxicity Threshold Scenedesmus quadricauda 640 mg/L 8 d.;pure CAS 7778-77-0: EC50 Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) -> 100 mg/L 72 h. Toxicity to microorganisms: pure CAS 7647-14-5: NOEC activated sludge 5 000 8 000 mg/L 72 h. Toxicity to microorganisms: pure CAS 7647-14-5: NOEC activated sludge 5 000 8 000 mg/L 72 h. Toxicity to microorganisms: pure CAS 7647-14-5: NOEC activated sludge 5 000 8 000 mg/L 72 h. Toxicity to microorganisms: Respiration rate:;pure CAS 56-81-5: Toxicity Threshold Pseudomonas putida -> 10 000 mg/L 16 h.;pure CAS 68-04-2: TT Pseudomonas putida -> 10 000 mg/L 16 h.;pure CAS 7778-77-0: EC50 activated sludge ofa predominantly domestic sewage -> 1 000 mg/L 3 h. Remarks:Respiration rate.

12.2 Persistence and degradability

AEROBIC:Glycerin, present at 100 mg/L, reached 63% offits theoretical BOD in 2 weeks using an activated sludge inoculum at 30 mg/L in the Japanese MITItest(1).Biodegradation rate constants of 0.258/day and 0.200/day in respirometric test systems employing activated sludge have also been reported, corresponding to 68% and 78% degradation, respectively(2).

12.3 **Bioaccumulative potential**

An estimated BCF of3 was calculated in fish for glycerin(SRC), using a log Kow of-1.76(1) and a regression-derived equation(2). According to a classification scheme(3), this BCF suggests the potential for bioconcentration in aquatic organisms is low(SRC).

12.4 Mobility in soil

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Page 4 of 8

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Other adverse effects no data available

ELK Biotechnology Disposal considerations

13.1 **Disposal methods**

Product

The material can be disposed ofby removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14.	Transport information			
14.1	UN number			
	ADR/RID:Not dangerous goods.	IMDG:Not dangerous goods.	IATA: Not dangerous goods.	
14.2	UN proper shipping name			
	ADR/RID:Not dangerous goods. IMDG:Not dangerous goods. IATA: Not dangerous goods.			
14.3	Transport hazard class(es)			
	ADR/RID:Not dangerous goods.	IMDG:Not dangerous goods.	IATA: Not dangerous goods.	
14.4	Packing group, if applicable			
	ADR/RID:Not dangerous goods.	IMDG:Not dangerous goods.	IATA: Not dangerous goods.	
14.5	Environmental hazards			
	ADR/RID:No	IMDG:No	IATA: No	
14.6	Special precautions for user			

no data available

no data available

14.7 Transport in bulk according to IMO instruments

15. **Regulatory information**

15.1 Safety, health and environmental regulations specific for the product in question

	· · ·				
Chemical name	Common names and synonyms	CAS number	EC number		
Water	Water	7732-18-5	231-791-2		
European Inventory of Ex	kisting Commercial Chemical Substances (EINEC	CS)	Listed.		
EC Inventory			Listed.		
United States Toxic Subs	tances Control Act (TSCA)Inventory		Listed.		
China Catalog of Hazardo	ous chemicals 2015		Not Listed.		
New Zealand Inventory o	f Chemicals (NZIoC)		Listed.		
Philippines Inventory of (Chemicals and Chemical Substances (PICCS)		Listed.		
Vietnam National Chemic	al Inventory		Listed.		
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)					
Korea Existing Chemicals	s List (KECL)		Listed.		
Chemical name	Chemical name Common names and synonyms CAS number		EC number		
Sodium chloride	Sodium chloride	7647-14-5	231-598-3		
European Inventory of Existing Commercial Chemical Substances (EINECS)					
EC Inventory			Listed.		
United States Toxic Subs	tances Control Act (TSCA)Inventory		Listed.		
China Catalog of Hazardous chemicals 2015					
New Zealand Inventory of Chemicals (NZIoC)					
Philippines Inventory of Chemicals and Chemical Substances (PICCS)					
Vietnam National Chemic	cal Inventory		Listed.		
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)					

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Page 5 of 8

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Korea Existing Chemicals List (KECL)					
Chemical name	Common names and synonyms	CAS number	EC number		
Sucrose	Sucrose	57-50-1	200-334-9		
European Inventory of Exis	ting Commercial Chemical Substances (EINE	CS)	Listed.		

EC Inventory						Listed.
United States Toxic Substances Control Act (TSCA)Inventory					Listed.	
China Catalog of Hazardo		, , , , , , , , , , , , , , , , , , ,				Not Listed.
New Zealand Inventory o		3				Listed.
Philippines Inventory of C		,	ces (PICCS)			Listed.
Vietnam National Chemic			()			Listed.
		nical Substan	ces (China IECSC)			Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC) Korea Existing Chemicals List (KECL)						Listed.
Korea Existing Chemicals	, List (IKECE)		C		CAR	Eisted.
	mical name		Common names and synonyms		CAS umber	EC number
	hoxylated		Poly (ethylene glycol) - 40	253	322-68-3	500-038-2
European Inventory of Ex	kisting Commercial	Chemical Sul	bstances (EINECS)			Not Listed.
EC Inventory						Listed.
United States Toxic Subs		TSCA)Invent	tory			Listed.
China Catalog of Hazardo						Not Listed.
New Zealand Inventory of		·				Listed.
Philippines Inventory of C		nical Substanc	ces (PICCS)			Listed.
Vietnam National Chemic						Listed.
Chinese Chemical Invent	ory of Existing Chen	nical Substan	ces (China IECSC)			Listed.
Korea Existing Chemicals	s List (KECL)					Listed.
Chemical name	Comr	non names an	nd synonyms	CAS nu	mber	EC number
Potassium sodium tartrate	e Potassi	um sodium tartra	ate tetrahydrate	6381-5	9-5	613-385-0
European Inventory of Existing Commercial Chemical Substances (EINECS)			Not Listed.			
EC Inventory						Not Listed.
United States Toxic Substances Control Act (TSCA)Inventory			Not Listed.			
China Catalog of Hazardo	ous chemicals 2015					Not Listed.
New Zealand Inventory of	f Chemicals (NZIoC	C)				Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)					Listed.	
Vietnam National Chemical Inventory				Listed.		
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)					Listed.	
Korea Existing Chemicals	• •					Not Listed.
Chemical name	, <i>, , ,</i> , , , , , , , , , , , , , , ,	names and sy	vnonvms	CAS num	ber	EC number
Potassiumchloride		otassiumchloride		7447-40		231-211-8
European Inventory of Ex						Listed.
EC Inventory	Bounder etal					Listed.
United States Toxic Subs	tances Control Act ((TSCA)Invent	torv			Listed.
China Catalog of Hazardo			J			Not Listed.
ŭ						Listed.
New Zealand Inventory of Chemicals (NZIoC) Philippines Inventory of Chemicals and Chemical Substances (PICCS)					Listed.	
Vietnam National Chemic		iitai Substalli				Listed.
		nical Substan	cas (China IECSC)			
Chinese Chemical Invento	•	incai substant	ies (China IECSC)			Listed.
Korea Existing Chemicals	· · · ·	C.		CAS		Listed.
Chemical r			names and synonyms		umber	EC number
Phosphoric acid, sodium sa	· · ·		n hydrogen phosphate	1003	9-32-4	600-088-6
European Inventory of Ex	commercial	Cnemical Sul	ostances (EINECS)			Not Listed.
EC Inventory		(TOO 1) -				Not Listed.
United States Toxic Subs		TSCA)Invent	tory			Not Listed.
China Catalog of Hazardo						Not Listed.
New Zealand Inventory of Chemicals (NZIoC)					Listed.	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)						Listed.
Vietnam National Chemical Inventory					Listed.	
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)				Listed.		
chinese chemical invent	ory of Existing Chen	mean Substant	(/			

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Page 6 of 8

Chemical name	Chemical name Common names and synonyms		EC number	
Glycerol	Glycerol 56-81-5			
European Inventory of Existing Commercial Chemical Substances (EINECS)				
EC Inventory				
United States Toxic Substances Control Act (TSCA)Inventory				
China Catalog of Hazardous chemicals 2015				
New Zealand Inventory of Chemicals (NZIoC)				

13 ELK Biotec

Philippines Inventory of Ch	emicals and Ch	emical Substances (PICCS)		Listed.		
Vietnam National Chemical Inventory						
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)						
Korea Existing Chemicals List (KECL)						
Chemical name	Commo	on names and synonyms	CAS number	EC numbe		
Trisodiumcitrate Sodium citrate 68-04-2			200-675-3			
European Inventory of Existing Commercial Chemical Substances (EINECS)						
EC Inventory						
United States Toxic Substances Control Act (TSCA)Inventory						
China Catalog of Hazardou	s chemicals 201	5		Not Listed.		
New Zealand Inventory of (Chemicals (NZI	oC)		Listed.		
Philippines Inventory of Ch	emicals and Ch	emical Substances (PICCS)		Listed.		
Vietnam National Chemical	Inventory			Listed.		
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)						
Korea Existing Chemicals I	List (KECL)			Listed.		
Chemical nan	ıe	Common names and synonyms	CASnumber	EC numbe		
2-Pyrrolidinone, 1-ethenyl-,	homopolymer	PVP40	9003-39-8	618-363-4		
European Inventory of Existing Commercial Chemical Substances (EINECS)						
EC Inventory						
United States Toxic Substances Control Act (TSCA)Inventory						
China Catalog of Hazardous chemicals 2015						
New Zealand Inventory of Chemicals (NZIoC)				Listed.		
Philippines Inventory of Chemicals and Chemical Substances (PICCS)						
Vietnam National Chemical Inventory						
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)						
Korea Existing Chemicals List (KECL)						
Chemical name		Common names and synonyms	CASnumber	EC numbe		
Potassium dihydrogenortho	phosphae	Potassium dihydrogen phosphate	7778-77-0	231-913-4		
European Inventory of Exis	ting Commercia	al Chemical Substances (EINECS)		Listed.		
EC Inventory				Listed.		
United States Toxic Substances Control Act (TSCA)Inventory				Listed.		
China Catalog of Hazardous chemicals 2015				Not Listed.		
New Zealand Inventory of Chemicals (NZIoC)				Listed.		
Philippines Inventory of Chemicals and Chemical Substances (PICCS)				Listed.		
Vietnam National Chemical Inventory				Listed.		
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)				Listed.		
Korea Existing Chemicals I	ist (KECL)		Korea Existing Chemicals List (KECL)			

16. Other information

Information on revision

Creation Date	Mar. 18, 2024
Revision Date	Mar. 18, 2024

Abbreviations and acronyms

- CAS:Chemical Abstracts Service
- CAS:Chemical Abstracts Service
 ADR: European Agreement concerning the International Carriage ofDangerous Goods by Road
 RID: Regulation concerning the International Carriage ofDangerous Goods by Rail
 IMD6:InternationalMaritime Dangerous Goods
 IATA: International Air Transportation Association
 TWA: Time Weighted Average
 STEL: Short term exposure limit
 LC50: Lethal Concentration 50%
 LD50: Lethal Dose 50%
 EC50: Effective Concentration50%

- EC50:Effective Concentration50%

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Page 7 of 8

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References

- IPCS The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home
 HSDB Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm
 IARC International Agency for Research on Cancer, website: http://www.iarc.fr/
 eChemPortal The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request local=-n
 cAMEOChemicals, website: http://cameochemicals.noaa.gov/search/simple
 ChemIDplus, website: http://cameochemicals.noaa.gov/search/simple
 ERG Emergency Response Guidebook byU.S. Department ofTransportation, website: http://www.phmsa.dot.gov/hazmat/library/erg
 Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp
 ECHA European Chemicals Agency, website: https://echa.europa.eu/



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Page 8 of 8