

# **SAFETYDATA SHEETS**

According to the UN GHS revision 9

Identification 1.

**GHS Product identifier** 1.1

> Product name ELISAtest assay

1.2 Other means of identification

> -ELK2367 Product number Other names

1.3 Recommended use of the chemical and restrictions on use

> Identified uses For research use only. Uses advised against no data available

Supplier's details

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## Hazard identification

#### Classification of the substance or mixture 2.1

Not classified.

#### 2.2 GHS label elements, including precautionary statements

No symbol. Hazard pictogram(s) Signal word No signal word none

Hazard statement(s)

Precautionary statement(s)

Prevention none Response none Storage none Disposal none

#### 2.3 Other hazards which do not result in classification

#### 3. Composition/information on ingredients

## Substances

not applicable

#### 3.2 Mixtures

Chemical name	Common names and	CAS	EC	%
Chemical name	synonyms	number	number	[weight]
Water	Water	7732-18-5	231-791-2	78.39%
Sodium chloride	Sodium chloride	7647-14-5	231-598-3	14.16%
Sucrose	Sucrose	57-50-1	200-334-9	2.28%
Poly(oxy-1,2-ethanediyl)α,-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	Poly (ethylene glycol) - 4000	25322-68-3	500-038-2	1.33%
Potassium sodium tartrate	Potassiumsodium tartrate tetrahydrate	6381-59-5	613-385-0	1.07%
Potassiumchloride	Potassiumchloride	7447-40-7	231-211-8	0.81%
Phosphoric acid, sodium salt, hydrate (1:2:12)	disodium hydrogen phosphate	10039-32-4	600-088-6	0.63%
Glycerol	Glycerol	56-81-5	200-289-5	0.51%
Trisodiumcitrate	Sodium citrate	68-04-2	200-675-3	0.42%
2-Pyrrolidinone, 1-ethenyl-, homopolymer	PVP40	9003-39-8	618-363-4	0.35%
Potassium dihydrogenorthophosph≢e	Potassium dihydrogen phosphate	7778-77-0	231-913-4	0.05%

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#### 4. First-aid measures

## 4.1 Description of necessary first-aid measures

#### Following inhalation

Move the victim into fresh air. Ifbreathing is difficult, give oxygen. Ifnot breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

#### Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty ofwater.

#### Following eye contact

Rinse with pure water for at least 15 minutes.

#### Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconsciousperson.

## 4.2 Most important symptoms/effects, acute and delayed

no data available

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

no data available

## 5. Fire-fighting measures

#### 5.1 Suitable extinguishing media

Use dry chemical, carbon dioxide or alcohol-resistantfoam.

### 5.2 Specific hazards arising from the chemical

#### Hazardous combustion products

no data available

## 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting ifnecessary.

## 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

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 if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

## 6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources ofignition. Use spark-prooftools and explosion-proofequipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## 7. Handling and storage

## 7.1 Precautions for safe handling

Handling in a well ventilated place. Avoid contact with skin and eyes. Avoid formation ofdust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

## 7.2 Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

## 8. Exposure controls/personal 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 controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Setup emergency exits and the risk-elimination area.

## 8.3 Individual protection measures, such as personal protective equipment (PPE)

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### Eye/face protection

Wear safety goggles.

#### Skin protection

Handle with gloves. Wash and dry hands.

### Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

#### Thermal hazards

no data available

## Physical and chemical properties

Physicalstate Transparentliquid. Colour Colourless. Odour Weak odour

Melting point/freezing point 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 CAS7778-77-0: 253°C pure CAS7732-18-5: 100°C(lit.);pure CAS7647-14-5: 1465°C/1 atm(lit.);pureCAS 57-50-1: 697.1。C at 760 mmHg;pure CAS6381-59-5: 399.3。C at 760 mmHg;pure CAS7447-40-7:

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.

Boiling point or initial boiling point and boiling range

Flammability

non flammable no data available

Lower and upper explosion limit/flammability limit

Flashpoint no data available Auto-ignition temperature pure CAS 56-81-5: 393°C Decompositiontemperature no data available

pН

pure CAS 7447-40-7: 7. Remarks: Temperature and concentration not reported.; pure CAS 68-04-2: 8.4. Remarks: Ambient temperature.; pure CAS 7778-77-0: Between 4,2 and 4,8 (1 % solution) pure CAS56-81-5: dynamic viscosity (in mPa s) = 1 412. Temperature: 20°C,; dynamic viscosity

Kinematic viscosity (in mPa s) = 612. Temperature:30.0°C.;dynamicviscosity (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  $_{\circ}$  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/100ml: 22

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 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/mLat 3.98°C(lit.);pure CAS7647-14-5: 2.16. Temperature:25 Density and/or relative density

°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 pure CAS7732-18-5: <1 (vs air);pureCAS56-81-5: 3.1 (vs air)

Particlecharacteristics not applicable

#### 10. Stability and reactivity

#### 10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2 Chemical stability

Stable under recommended storage conditions.

## 10.3 Possibility of hazardous reactions

No hazardous reactions are known under conditionsofnormal use

### Conditions to avoid

Avoid high temperaturesand direct sunlight.

## 10.5 Incompatible materials

no data available

## 10.6 Hazardous decomposition products

No hazardous decomposition products ifstored and handled as prescribed/indicated.

#### 11. **Toxicological information**

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#### Acute toxicity

- 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 CAS 7778-77-0: LD50 Mouse oral 2820 mg/kgbw limitation 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/kgbw.

#### 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

#### 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

#### Aspiration hazard

pure 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 ifpowdered.; 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, especially ifpowdered.

#### 12. **Ecological information**

#### 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 1 535 mg/L 24 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: Seenedesmus subspicatus) -> 100 mg/L 72 h.;pure CAS 56-81-5: EC3 Seenedesmus quadricauda -> 10 000 mg/L 8 d.;pure CAS 68-04-2: Toxicity Threshold Seenedesmus quadricauda 640 mg/L 8 d.;pure CAS 7778-77-0: EC50 Desmodesmus subspicatus (previous name: Seenedesmus subspicatus) -> 100 mg/L 72 h.

  Toxicity to microorganisms: pure CAS 7647-14-5: NOEC activated sludge 5 000 8 000 mg/L. Remarks: Respiration rate; pure CAS 25322-68-3: IGC50- Tetrahymena pyriformis 770.636 mg/L 48 h.;pure CAS 7447-40-7: EC50 activated sludge, domestic 1 000 mg/L 3 h. Remarks: 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).

## Bioaccumulative potential

An estimated BCF of 3 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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# 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

### 14.7 Transport in bulk according to IMO instruments

no data available

## 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			
European Inventory of Existing Commercial Chemical Substances (EINECS)			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 C	Chemicals and Chemical Substances (PICCS)		Listed.
Vietnam National Chemic	cal Inventory		Listed.
Chinese Chemical Invent	ory of Existing Chemical Substances (China IECS	C)	Listed.
Korea Existing Chemicals	s List (KECL)		Listed.
Chemical name	Common names and synonyms	CAS number	EC number
Sodium chloride Sodium chloride 7647-14-5			
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed.
EC Inventory			Listed.
United States Toxic Substances Control Act (TSCA)Inventory		Listed.	
China Catalog of Hazardous chemicals 2015		Not Listed.	
Cilina Catalog of Hazara	sus enemieus 2015		
New Zealand Inventory o			Listed.
New Zealand Inventory o			Listed.
New Zealand Inventory o	f Chemicals (NZIoC) Chemicals and Chemical Substances (PICCS)		

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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 Existing Commercial Chemical Substances (EINECS)				



11/1/14						
EC Inventory						Listed.
United States Toxic Substances	s Control Act (	(TSCA)Inve	ntory			Listed.
China Catalog of Hazardous chemicals 2015			Not Listed.			
New Zealand Inventory of Che	micals (NZIoC	C)				Listed.
Philippines Inventory of Chemi	icals and Chem	nical Substa	nces (PICCS)			Listed.
Vietnam National Chemical In-	ventory					Listed.
Chinese Chemical Inventory of	Existing Chen	nical Substa	nces (China IECSC)			Listed.
Korea Existing Chemicals List	(KECL)					Listed.
Chemical	name		Common names synonyms	and	CAS number	EC number
Poly(oxy-1,2-ethanediyl)α,-hydro- ethoxyla		e-1,2-diol,	Poly (ethylene glycol)	- 4000	25322-68-3	500-038-2
European Inventory of Existing	g Commercial	Chemical S	ubstances (EINECS)			Not Listed.
EC Inventory						Listed.
United States Toxic Substance	s Control Act (	(TSCA)Inve	ntory			Listed.
China Catalog of Hazardous ch	nemicals 2015					Not Listed.
New Zealand Inventory of Che	micals (NZIoC	<u> </u>				Listed.
Philippines Inventory of Chemi			nces (PICCS)			Listed.
Vietnam National Chemical In						Listed.
Chinese Chemical Inventory of	•	nical Substa	nces (China IECSC)			Listed.
Korea Existing Chemicals List (KECL)				Listed.		
Chemical name	<u> </u>	non names :	and synonyms	CA	S number	EC number
Potassium sodium tartrate			trate tetrahydrate	_	6381-59-5	613-385-0
European Inventory of Existing			•		3301 23 2	Not Listed.
EC Inventory	5					Not Listed.
United States Toxic Substances	s Control Act (	TSCA)Inve	ntory			Not Listed.
China Catalog of Hazardous ch		(15011)11110				Not Listed.
New Zealand Inventory of Che		<u>'</u>				Listed.
Philippines Inventory of Chemi			nces (PICCS)			Listed.
Vietnam National Chemical In		near Substa	ites (Trees)			Listed.
Chinese Chemical Inventory of	•	nical Substa	nces (China IECSC)			Listed.
Korea Existing Chemicals List			12000)			Not Listed.
Chemical name	1	names and	synonyms	CAS	Snumber	EC number
Potassiumchloride		otassiumchlori			147-40-7	231-211-8
European Inventory of Existing					, ,	Listed.
EC Inventory	5 Commercial	Chemical 5	abstances (Elivees)			Listed.
United States Toxic Substance	s Control Act (	TSCA)Inve	ntory			Listed.
China Catalog of Hazardous ch		LOCITITIVE	J			Not Listed.
New Zealand Inventory of Che		<u> </u>				Listed.
Philippines Inventory of Chemi			nces (PICCS)			Listed.
Vietnam National Chemical In		Substa	(1100)			Listed.
Chinese Chemical Inventory of	•	nical Substa	nces (China IECSC)			Listed.
Korea Existing Chemicals List		ui Substa	(China IECSC)			Listed.
Chemical name	(ILCL)	Commo	names and synonyn	16 /	CAS number	EC number
Phosphoric acid, sodium salt, hydr	rate (1:2:12)		um hydrogen phosphate	1.9	10039-32-4	600-088-6
European Inventory of Existing Commercial Chemical Substances (EINECS)					Not Listed.	
EC Inventory	<del></del>		( ( )			Not Listed.
United States Toxic Substances Control Act (TSCA)Inventory			Not Listed.			
China Catalog of Hazardous chemicals 2015			Not Listed.			
New Zealand Inventory of Che		<u>C</u>				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 List (KECL)			Not Listed.			
Korca Existing Chemicals List	(NECL)					not Listed.

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Chemical name	EC number		
Glycerol	200-289-5		
European Inventory of Exis	ting Commercial Chemical Substances (EINEC	CS)	Listed.
EC Inventory			Listed.
United States Toxic Substances Control Act (TSCA)Inventory			Listed.
China Catalog of Hazardou	s chemicals 2015	-	Not Listed.
New Zealand Inventory of C	Chemicals (NZIoC)	Maria Property	Listed.



III is	11111/////				
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 List (KECL)			Listed.		
Chemical name	Comm	on names and synonyms	CAS number	EC number	
Trisodiumcitrate Sodium citrate 68-04-2					
<b>European Inventory of Existi</b>	ng Commerci	al Chemical Substances (EINECS)		Listed.	
EC Inventory	,			Listed.	
United States Toxic Substance	ces Control A	ct (TSCA)Inventory		Listed.	
China Catalog of Hazardous	chemicals 201	.5		Not Listed.	
New Zealand Inventory of Cl	nemicals (NZI	(oC)		Listed.	
Philippines Inventory of Che	micals and Ch	nemical Substances (PICCS)		Listed.	
Vietnam National Chemical I	nventory			Listed.	
<b>Chinese Chemical Inventory</b>	of Existing Cl	hemical Substances (China IECSC)		Listed.	
Korea Existing Chemicals Li	st (KECL)			Listed.	
Chemical name	;	Common names and synonyms	CASnumber	EC number	
2-Pyrrolidinone, 1-ethenyl-, he	omopolymer	PVP40	9003-39-8	618-363-4	
European Inventory of Existi	ng Commerci	al Chemical Substances (EINECS)		Not Listed.	
EC Inventory				Not Listed.	
United States Toxic Substance	ces Control A	ct (TSCA)Inventory		Listed.	
China Catalog of Hazardous	chemicals 201	.5		Not Listed.	
New Zealand Inventory of Cl	nemicals (NZI	(oC)		Listed.	
Philippines Inventory of Che	micals and Ch	nemical Substances (PICCS)		Listed.	
Vietnam National Chemical I	nventory			Listed.	
<b>Chinese Chemical Inventory</b>	of Existing Ch	hemical Substances (China IECSC)		Listed.	
Korea Existing Chemicals Li	st (KECL)			Listed.	
Chemical name		Common names and synonyms	CASnumber	EC number	
Potassium dihydrogenorthoph	nosph≢e	Potassium dihydrogen phosphate	7778-77-0	231-913-4	
European Inventory of Existi	ng Commerci	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 Che	micals and Ch	nemical Substances (PICCS)		Listed.	
Vietnam National Chemical I	nventory			Listed.	
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Listed.		
Korea Existing Chemicals List (KECL)			Listed.		

#### 16. Other information

## Information on revision

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

## Abbreviations and acronyms

- CAS:Chemical Abstracts Service
- CAS:Chemical Abstracts Service

  ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

  RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

  IMDG: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%

  FC50: Effective Concentration50%

- EC50:Effective Concentration50%

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23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C

## 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\_locale=n
- CAMEOChemicals, website: http://cameochemicals.noaa.gov/search/simple
■ ChemIDplus,website:http://chem.sis.nlm.nih.gov/nemidplus/chemidle.jsp
■ ERG - Emergency Response Guidebook byU.S. Department of Transportation, 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/

Any questions regarding this SDS, please send your inquiry to sds@xixisys.com.



Disclaimer: The above information is believed to be correct but does notpurport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safetyprecautions. It does not represent any guarantee of the properties of the product. We as suppliers hall not be held liable for any damage resulting from handling or from contact with the above product.

ELISAtest assay

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