

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

> -ELK4042 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

Company ELK (Wuhan) BiotechnologyCO.,Ltd.

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Road, East Lake High-Tech Development Zone, Wuhan, P.R.C

Telephone +86-27-59760950

1.5 **Emergency phone number**

> Emergency phone number +86-18986165840

Service hours Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).

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 synonyms | CAS number | EC 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 dihydrogenorthophosphile | 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:

Boiling point or initial boiling point and boiling 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.

non flammable

Flammability Lower and upper explosion limit/flammability limit

no data available

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) Kinematic viscosity pure CAS56-81-5: dynamic viscosity (in mPa s) = 1 412. Temperature: 20°C,; dynamic 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) | | | |
| 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. | |
| New Zealand Inventory of Chemicals (NZIoC) | | | |
| New Zealand Inventory o | f Chemicals (NZIoC) | | Listed. |
| | f Chemicals (NZIoC) Chemicals and Chemical Substances (PICCS) | | Listed. |
| | Chemicals and Chemical Substances (PICCS) | | |

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



| 111111 | | | | | | |
|--|------------------|-----------------|------------------------|------|---------------|-------------|
| EC Inventory | 1 11//// | | | | | Listed. |
| United States Toxic Substanc | es Control Act (| (TSCA)Inver | ntory | | | Listed. |
| China Catalog of Hazardous | hemicals 2015 | | | | | Not Listed. |
| New Zealand Inventory of Ch | emicals (NZIoC | C) | | | | Listed. |
| Philippines Inventory of Chen | nicals and Chem | nical Substar | ices (PICCS) | | | Listed. |
| Vietnam National Chemical I | nventory | | | | | Listed. |
| Chinese Chemical Inventory | of Existing Chen | nical Substar | nces (China IECSC) | | | Listed. |
| Korea Existing Chemicals Lis | t (KECL) | | | | | Listed. |
| Chemica | l name | | Common names a | and | CAS number | EC number |
| Poly(oxy-1,2-ethanediyl)α,-hydro ethoxy | | e-1,2-diol, | Poly (ethylene glycol) | 4000 | 25322-68-3 | 500-038-2 |
| European Inventory of Existing | ng Commercial | Chemical Su | ibstances (EINECS) | | | Not Listed. |
| EC Inventory | | | | | | Listed. |
| United States Toxic Substanc | es Control Act (| (TSCA)Inver | itory | | | Listed. |
| China Catalog of Hazardous | themicals 2015 | | | | | Not Listed. |
| New Zealand Inventory of Ch | | C) | | | | Listed. |
| Philippines Inventory of Chen | | | ices (PICCS) | | | Listed. |
| Vietnam National Chemical I | | | ` ' | | | Listed. |
| Chinese Chemical Inventory | • | nical Substar | nces (China IECSC) | | | Listed. |
| Korea Existing Chemicals List (KECL) | | | | | Listed. | |
| Chemical name | <u> </u> | non names a | nd synonyms | CA | Snumber | EC number |
| Potassium sodium tartrate | | | rate tetrahydrate | | 381-59-5 | 613-385-0 |
| European Inventory of Existin | - | | | | | Not Listed. |
| EC Inventory | | | | | | Not Listed. |
| United States Toxic Substanc | es Control Act (| TSCA)Inver | itory | | | Not Listed. |
| China Catalog of Hazardous | | , | | | | Not Listed. |
| New Zealand Inventory of Ch | emicals (NZIoC | E) | | | | Listed. |
| Philippines Inventory of Chen | | | ices (PICCS) | | | Listed. |
| Vietnam National Chemical I | | | | | | Listed. |
| Chinese Chemical Inventory | of Existing Chen | nical Substar | nces (China IECSC) | | | Listed. |
| Korea Existing Chemicals Lis | t (KECL) | | | | | Not Listed. |
| Chemical name | Common | names and s | synonyms | CAS | Snumber | EC number |
| Potassiumchloride | Po | otassiumchlorio | le | 74 | 47-40-7 | 231-211-8 |
| European Inventory of Existing | ng Commercial | Chemical Su | ibstances (EINECS) | | | Listed. |
| EC Inventory | | | | | | Listed. |
| United States Toxic Substanc | es Control Act (| TSCA)Inver | ntory | | | Listed. |
| China Catalog of Hazardous | | | | | | Not Listed. |
| New Zealand Inventory of Ch | emicals (NZIoC | | | | | Listed. |
| Philippines Inventory of Chen | nicals and Chem | nical Substan | ices (PICCS) | | | Listed. |
| Vietnam National Chemical Inventory | | | | | Listed. | |
| Chinese Chemical Inventory | of Existing Chen | nical Substar | nces (China IECSC) | | | Listed. |
| Korea Existing Chemicals Lis | | | | | | Listed. |
| Chemical name | | Common | names and synonym | ıs (| CAS number | EC number |
| Phosphoric acid, sodium salt, hy | drate (1:2:12) | disodiu | ım hydrogen phosphate | | 10039-32-4 | 600-088-6 |
| 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 Hazardous chemicals 2015 | | | Not Listed. | | | |
| New Zealand Inventory of Ch | emicals (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. | | | |
| Chinese Chemical Inventory | HEXISTING CHEN | mcai Substai | ices (China lecse) | | | Listeu. |

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| Chemical name Common names and synonyms CAS number | | | | |
|--|--|-----------------|-------------|--|
| Glycerol | Glycerol Glycerol 56-81-5 | | | |
| 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 | 1000 | Not Listed. | |
| New Zealand Inventory of C | Chemicals (NZIoC) | MATERIAL STATES | Listed. | |



| 111111 | 111111111111111111111111111111111111111 | | | |
|--|---|----------------------------------|-------------|-------------|
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | | | Listed. | |
| Vietnam National Chemical Inventory | | | Listed. | |
| Chinese Chemical Inventory | of Existing Ch | nemical Substances (China IECSC) | | Listed. |
| Korea Existing Chemicals Lis | st (KECL) | | | Listed. |
| Chemical name | Comm | on names and synonyms | CAS number | EC number |
| Trisodiumcitrate | //////// | Sodium citrate | 68-04-2 | 200-675-3 |
| European Inventory of Existing | ng Commerci | al Chemical Substances (EINECS) | | Listed. |
| EC Inventory | | | | Listed. |
| United States Toxic Substance | es Control A | ct (TSCA)Inventory | | Listed. |
| China Catalog of Hazardous | chemicals 201 | .5 | | Not Listed. |
| New Zealand Inventory of Ch | emicals (NZI | (oC) | | Listed. |
| Philippines Inventory of Cher | nicals and Ch | nemical Substances (PICCS) | | Listed. |
| Vietnam National Chemical I | nventory | | | Listed. |
| Chinese Chemical Inventory | of Existing Cl | hemical Substances (China IECSC) | | Listed. |
| Korea Existing Chemicals Lis | st (KECL) | | | Listed. |
| Chemical name | | Common names and synonyms | CASnumber | EC number |
| 2-Pyrrolidinone, 1-ethenyl-, ho | omopolymer | PVP40 | 9003-39-8 | 618-363-4 |
| European Inventory of Existing | ng Commerci | al Chemical Substances (EINECS) | | Not Listed. |
| EC Inventory | | | | Not Listed. |
| United States Toxic Substance | es Control A | ct (TSCA)Inventory | | Listed. |
| China Catalog of Hazardous | chemicals 201 | .5 | | Not Listed. |
| New Zealand Inventory of Ch | emicals (NZI | (oC) | | Listed. |
| Philippines Inventory of Cher | nicals and Ch | nemical Substances (PICCS) | | Listed. |
| Vietnam National Chemical I | nventory | | | Listed. |
| Chinese Chemical Inventory | of Existing Cl | hemical Substances (China IECSC) | | Listed. |
| Korea Existing Chemicals Lis | st (KECL) | | | Listed. |
| Chemical name | | Common names and synonyms | CASnumber | EC number |
| Potassium dihydrogenorthoph | osph#e | Potassium dihydrogen phosphate | 7778-77-0 | 231-913-4 |
| European Inventory of Existing | 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 Cher | nicals 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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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.



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