

# **SAFETYDATA SHEETS**

According to the UN GHS revision 9

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

1.1       GHS Product identifier         Product name       ELISAtest assay         1.2       Other means of identification         Product names       -         1.3       Recommended use of the chemical and restrictions on use Identified uses       For research use only. Uses advised against       no data available         1.4       Supplier's details       For research use only. Uses advised against       no data available         1.4       Supplier's details       Company       ELK (Wahan) BiotechnologyCO_LLd. Address       No. 203 B. 11 Wahan Optics Valley Precision Medical Industry Base 2.1, No.9 Gaokeyuan 3rd Road, East Lake High-Tech Development Zone, Wahan, P.R.C         Telephone       +86-27-59709050         1.5       Emergency phone number       +86-13986165840 Service hours         Service hours       Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).         2.       Hazard identification         1.1       Classification of the substance or mixture Not classified       No signal word         No signal word       No signal word         Nagainfield       none         Preveation       none         Response       none         No available       none         Storage       none         Preveation       none         No availab						Rev	ision Date: Mar. 1					
Product name       ELISAtest assay         1.2       Other means of identification       -         Product number       -ELK10014         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         1.4       Supplier's details         Compony       ELK (Wahan) BiotechnologyCO_LId.         Address       No.203 B.11 Wohan Optics Valley Precision Medical Industry Base 2.1, No.9 Gaokeyuan 3rd         Road, East Lake High-Tech Development Zone, Wahan, P.R.C       -         Telephone       +86-15986165840         Service hours       Monday to Friday, 9 an-5 pm (Standard time zone: UTC/GMT+8 hours).         2.       Hazard identification         1.0       Classified.         2.1       Classified         1.2       Classified         1.3       none         Preceationary statement(s)       none         Preceationary statement(s)       none         No signal word       No signal word         Hazard identification on ingredients       none         Norage       none         Preceationary statement(s)       none	1.	Identification										
1.2       Other means of identification         Product number       -ELK10014         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         1.4       Supplier's details         Company       ELK (Wuhan) BiotechnologyCO_Ltd.         Address       Road, East Lake High-Tech Development Zone, Wuhan, P.R.C         Telephone       +86-27-59700950         5.5       Emergency phone number         Emergency phone number       +86-13986165840         Service hours       Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).         2.       Hazard identification         1.1       Classification of the substance or mixture Not classified.         2.1       GHS label elements, including precautionary statements         Hizard pictogram(s)       No signal word         Hizard pictogram(s)       none         Nor signal word       none         Norage       none         Storage       none         Nagaing       none         Nagaing       none         Norage       none         No signal word       none	1.1	<b>GHS Product identifier</b>										
Product number       -ELK10014         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         1.4. Supplier's details       Company       ELK (Wuhan) BiotechnologyCO, Ltd. Address       Address         Company       ELK (Wuhan) BiotechnologyCO, Ltd. Address       Address       For Research use only. Development Zone, Wuhan, P.R.C         Telephone       +86-27-59700930       ELS       Emergency phone number       +86-27-59700930         1.5. Emergency phone number       +86-27-59700930       Emergency phone number       +86-18986165840         Service hours       Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).       Emergency phone number       +86-18986165840         Service hours       Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).       Emergency phone number       +86-18986165840         Service hours       Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).       Emergency phone number       +86-18986165840         Service hours       No signal word       No signal word       No signal word       No signal word         Hazard pictogram((s)       No signal word       No signal word       No signal word       No signal word         Hazard pictogram((s)       no none <td< td=""><td></td><td>Product name</td><td>ELISAtest assay</td><td></td><td></td><td></td><td></td></td<>		Product name	ELISAtest assay									
Other names       -         1.3       Recommended use of the chemical and restrictions on use Identified uses (See advised against no data available Uses advised against no data available       For research use only. Uses advised against no data available         1.4       Supplier's details Company       ELK (Wuhan) BiotechnologyCO,Ltd. Address       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2:1,No.9 Gaokeyuan 3rd 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       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2:1,No.9 Gaokeyuan 3rd Road, East Lake High-Tech Development Zone, Wuhan,P.R.C         1.5       Emergency phone number       +86-18986165840 Service hours       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2:1,No.9 Gaokeyuan 3rd Road, East Lake Valley Service hours         1.4       Hazard identification Service hours       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2:1,No.9 Gaokeyuan 3rd Road y to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).         2.       Hazard identification Service hours       No.203 B.11 Wuhan Optics Valley Precision No.203 B.11 Wuhan Optics Valley Precision No.203 B.11 Wuhan Optics Valley Precision No.203 B.21 No.203 B.2	1.2	Other means of identificat										
Other names       -         1.3       Recommended use of the chemical and restrictions on use Identified uses (See advised against no data available Uses advised against no data available       For research use only. Uses advised against no data available         1.4       Supplier's details Company       ELK (Wuhan) BiotechnologyCO,Ltd. Address       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2:1,No.9 Gaokeyuan 3rd 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       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2:1,No.9 Gaokeyuan 3rd Road, East Lake High-Tech Development Zone, Wuhan,P.R.C         1.5       Emergency phone number       +86-18986165840 Service hours       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2:1,No.9 Gaokeyuan 3rd Road, East Lake Valley Service hours         1.4       Hazard identification Service hours       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2:1,No.9 Gaokeyuan 3rd Road y to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).         2.       Hazard identification Service hours       No.203 B.11 Wuhan Optics Valley Precision No.203 B.11 Wuhan Optics Valley Precision No.203 B.11 Wuhan Optics Valley Precision No.203 B.21 No.203 B.2		Product number	-ELK10014									
Identified uses       For research use only. Uses advised against       no data available         1.4       Supplier's details       Company       ELK (Wuhan) BiotechnologyCO,Ld. Address       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2.1,No.9 Gaokeyuan 3rd Read, East Lake High-Tech Development Zone, Wuhan,P.R.C         Telephone       +86-2759700950         1.5       Emergency phone number       +86-18986165840         Service hours       Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).         2.       Hazard identification         2.1       Classification of the substance or mixture Not classified.         2.2       GHS lable lelements, including precautionary statements         Hazard statement(s)       none         Prevention       none         Response       none         Response       none         No signal word       No signal word         Hazard statement(s)       none         Prevention       none         Response       none         No data available			-									
Uses advised against     no data available       1.4     Supplier's details       Company     ELK (Wuhan) BiotechnologyCO,Ltd. Address       Address     No 203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2.1,No.9 Gaokeyuan 3rd 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 towars     Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).       2.     Hazard identification       1.1     Classification of the substance or mixture Not classified.       2.2     GHS label elements, including precautionary statements       Hazard statement(s)     none       Precentionary statement(s)     none       Prevention     none       No signal word     No signal word       Hazard statement(s)     none       Prevention     none       No data available	.3	Recommended use of the o	chemical and restrictio	ns on use								
Uses advised against     no data available       I.4     Supplier's details       Company     ELK (Wuhan) BiotechnologyCO, Ltd. No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2.1, No. 9 Gaokeyuan 3rd Read. East Lake High-Tech Development Zone, Wuhan, P.R.C       Telephone     +86-27.9760950       I.5     Emergency phone number       Emergency phone number     +86-27.9760950       Service hours     Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).       C.     Hazard identification       I.1     Classification of the substance or mixture Not classified.       C.3     GHS label elements, including precautionary statements       Hazard statement(s)     No symbol. No signal word       Prevention     none       Response     none       Prevention     none       Response     none       No rege     none       No data available     Standard time zone: UTC/GMT+8       Composition/information on ingredients     Standard time zone: UTC/GMT+8       I.3     Other hazards which do not result in classification no data available       Composition/information on ingredients       I.1     Substances not applicable       I.1     Substances not applicable       I.2     Mater       Poly(oxy-1/2-ethanee(hyle, -hydro-e-hylenxy-Ethane-1/2-diol, Polyce/applicable, 200, 003, 2137,01-2		Identified uses	For research use only.									
Company       ELK (Wuhan) BiotechnologyCO, Ltd.         Address       No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2.1, No.9 Gaokeyuan 3rd Road, East Lake High-Tech Development Zone, Wuhan, P.R.C         Telephone       +86-27.59760950         55       Emergency phone number       +86-18986165840         Service hours       Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).         c.       Hazard identification         .1       Classification of the substance or mixture Not classified.         2.       GHS label elements, including precautionary statements         Hazard jetogram(s)       No symbol.         Signal word       No signal word         Hazard statement(s)       none         Prevention       none         Response       none         No agal word       none         No signal word       none         Nesponse       none         Storage       none         Storage       none         Storage       none         No signal word       storage         Itazard statement(s)       none         Prevention       none         Storage       none         Storage       none         Storage       none <td></td> <td>Uses advised against</td> <td></td> <td></td> <td></td> <td></td> <td></td>		Uses advised against										
Address     No.203 B.11 Wuhan Opties Valley Precision Medical Industry Base 2.1,No.9 Gaokeyuan 3rd Road, East Lake High-Tech Development Zone, Wuhan,P.R.C       Telephone     +86-27.59760950       5.5     Emergency phone number Service hours     +86-18986165840 Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).       c.     Hazard identification Service hours     -       .1     Classification of the substance or mixture Not classified.     -       .2     GHS label elements, including precautionary statements       Hazard pictogram(s)     No symbol. Signal word       Hazard statement(s)     none       Prevention No classification on none     No signal word       Hazard statement(s)     none       Prevention none     none       Response     none       Storage     none       No data available     -       .1     Substances not applicable       .2     Mixtures       Yeightight     -       Water     7732-18-5       231.791-2     78.3976       Yeightight     -       Water     7732-18-5       231.791-2     231.791-2       Yeightight     -       Hazard statement(s)     -       Bazard statement(s)     -       Hazard statement(s)     -       No data available	.4	Supplier's details										
Road, East Lake High-Tech Development Zone, Wuhan,P.R.Ć         Telephone         + #86-27-59760950         5. Emergency phone number         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         .         I Classification of the substance or mixture         Not classified.         2         Benergency phone number         Augustantee and the substance or mixture         Not classified.         2         Augustantee and No signal word         Hazard pictogram(s)         Not signal word         Hazard statement(s)         Prevention         none         Storage         none         Substances         not applicable         Composition/information on ingredients         Substances         not applicable         <												
Telephone       +86-27-59760950         5.5       Emergency phone number Service hours       +86-18986165840 Monday to Friday, 9 am-5 pm (Standard time zone: UTC/GMT+8 hours).         c.       Hazard identification         .1       Classification of the substance or mixture Not classified.         2.       GHS label elements, including precautionary statements         Hazard pictogram(s)       No symbol.         Signal word       No symbol.         Signal word       No symbol.         Signal word       No symbol.         Signal word       No symbol.         Prevention       none         Precautionary statement(s)       Prevention         none       none         Joppsal       none         Other hazards which do not result in classification       nodat available          Composition/information on ingredients         .1       Substances not applicable       surgential         .1       Substances       231-791-2         Nater       Water       Water       7732-18-5         Vater       Water       7732-18-5       231-791-2         Natione       Sucrose       57-50-1       200-334-9         .1       Sucrose       Sucrose       57-50-1       2		Address		No.203 B.11 Wuhan Optics Valley Precision Medical Industry Base 2.1, No.9 Gaokeyuan 3rd								
5       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, including precautionary statements Hazard pictogram(s)       No symbol. Signal word         Signal word       No signal word Hazard statement(s)       none         Precautionary statement(s)       none         Precautionary statement(s)       none         Precautionary statement(s)       none         Storage       none         Disposal       none         3       Other hazards which do not result in classification no data available          Composition/information on ingredients         .1       Substances not applicable         .2       Mixtures          Chemical name         Vater       Water         Vater       Water         Vater       Vater         Vater       Sodium chloride         Vater       Sodium chloride         Yater       Poly (orky-1,2-ethaneediy)(0,-hydrox-o-thydroxy-Ethane-1,2-diol, Poly (orky-1,2-diol, 20,00,32,4)		Telenhone		Tech Development Zone, Wuhan,	P.R.C							
Emergency phone number       +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, including precautionary statements         Hazard pictogram(s)       No symbol.         Signal word       No signal word         Hazard statement(s)       none         Prevention       none         Response       none         Disposal       none         Jonget       none         Storage       none         Disposal       none         No substances not applicable       Chemical name         Mixtures       Chemical name       Common names and synonyms       CAS number       EC       % number         Water       Water       Water       7732-18-5       231-791-2       78.39%         Sodium chloride       Sodium chloride       Sodium chloride       757-50-1       200-334-9       2.28%         Poly(oxy-1,2-ethaneediyl)0,-hydro-o-hydroxy-Ethane-1,2-diol, Poly (ethylene enversh), 4000       7532-26-8       400-432-2       1 32%	-											
Service hours       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, including precautionary statements         Hazard pictogram(s)       No symbol.         Signal word       No signal word         Hazard statement(s)       none         Prevention       none         Response       none         Storage       none         Jipposal       none         3       Other hazards which do not result in classification no data available         .       Composition/information on ingredients         .1       Substances not applicable         .2       Mixtures         Vater       Water         Vater       Vater         Vater       7732-18-5       231-791-2         Na39%       Sodium chloride       Sodium chloride       764-14-5         Sucrose       Sucrose       510-90-31-32       228%         Poly(oxy-1,2-ethanediyl)a,-hydro-o-hydroxy-Ethane-1,2-diol, Poly (ethane elocol), 400, 25327,66-3       500,018-4, 2, 133%	.5	· · ·										
Hazard identification         .1       Classification of the substance or mixture Not classified.         .2       GHS label elements, including precautionary statements         Hazard pictogram(s)       No symbol.         Signal word       No signal word         Hazard statement(s)       none         Precautionary statement(s)       Prevention         Prevention       none         Storage       none         Disposal       none         3       Other hazards which do not result in classification         no data available       none         Substances       not applicable         .1       Substances         not applicable       Chemical name         Vater       Water       7732-18-5       231-791-2       78.39%         Soldium chloride       Sodium chloride       750-1       200-334-9       2.28%         Poly(oxy-1,2-ethanediy)/0_s-hydroxy-Ethane-1,2-diol, Poly (strokene gluxol)- 4000       7532-263       \$00-038-2       1.3%												
<ul> <li>Classification of the substance or mixture Not classified.</li> <li>GHS label elements, including precautionary statements         Hazard pictogram(s)         No signal word         Hazard statement(s)         Precautionary statement(s)         Precautionary statement(s)         Prevention         none         Precautionary statement(s)         prevention         none         Storage         none         Disposal         none         Storage         No data available         Storage         No ture S         Soldium chloride         Sodium chloride</li></ul>			,,,, , <b></b>			'						
Not classified.         2       GHS label elements, including precautionary statements         Hazard pictogram(s)       No symbol.         Signal word       No signal word         Hazard statement(s)       none         Precautionary statement(s)       Prevention         Prevention       none         Response       none         Disposal       none         3       Other hazards which do not result in classification         no data available												
2       GHS label elements, including precautionary statements         Hazard pictogram(s)       No symbol.         Signal word       No signal word         Hazard statement(s)       none         Precautionary statement(s)       Precention         Prevention       none         Response       none         Storage       none         Disposal       none         .       Composition/information on ingredients         .1       Substances         not applicable       .         .       Mixtures          Chemical name       Common names and synonyms       CAS       EC       %         Water       Water       Water       7732-18-5       231-591-2       78.39%         Sodium chloride       Sodium chloride       7647-14-5       231-598-3       14.16%         Sucrose       Sucrose       Sucrose       500-033-9       2.28%         Poly(oxy-1.2-ethanediy1)/ghydro-o-hydroxy-Ethane-1.2-diol,       Poly (ethylene glupon), 4000       2532-68-3       500-033-9       2.28%	.1		ince or mixture									
Hazard pictogram(s)     No symbol.       Signal word     No signal word       Hazard statement(s)     none       Precention     none       Response     none       Storage     none       Disposal     none       3     Other hazards which do not result in classification       no data available       .     Composition/information on ingredients       .1     Substances       not applicable       .2     Mixtures        Chemical name       Vater     7132-18-5       Vater     7132-18-5       Vater     7132-18-5       Sodium chloride     Sodium chloride       Sodium chloride     Sodium chloride       Sucrose     Sucrose       Sucrose     Sucrose       Poly(oxy-1,2-ethanediyl)ghydro-o-hydroxy-Ethane-1,2-diol,     Poly (otheleng algoe) - 4000												
Signal word       No signal word         Hazard statement(s)       none         Precautionary statement(s)       Prevention         Prevention       none         Storage       none         Disposal       none         .3       Other hazards which do not result in classification no data available         .       Composition/information on ingredients         .1       Substances not applicable         .2       Mixtures          Chemical name         Vater       Water         Water       7732-18-5       231-791-2         No Sodium chloride       Sodium chloride       7647-14-5       231-591-2         Sucrose       Sucrose       Socrose       57-50-1       200-334-9       2.28%         Poly(oxy-1,2-ethanediyl)qhydro-w-hydroxy- Ethane-1,2-diol,       Poly (ethylene elycophyl-4000)       25322,68-3       500-038-2       1 33%	.2	GHS label elements, including precautionary statements										
Hzard statement(s) none Precautionary statement(s) Prevention none Response none Storage none Disposal none 3. Other hazards which do not result in classification no data available . Composition/information on ingredients .1 Substances not applicable .2 Mixtures $\frac{Chemical name}{Vater} = \frac{Common names and}{Synonyms} \frac{CAS}{number} = \frac{FC}{number} \frac{[weight]}{[weight]}}{Vater} = \frac{Vater}{Vater} = 7732\cdot18\cdot5 231\cdot791\cdot2 78.39\%}{Sodium chloride} Sodium chloride Sodium chloride 7647\cdot14\cdot5 231:598\cdot3 14.16\%}{Sucrose} = Sucrose 57.50\cdot1 200.334\cdot9 2.28\%}$												
Precautionary statement(s)         Prevention       none         Response       none         Storage       none         Disposal       none         30       Other hazards which do not result in classification no data available       .         .       Composition/information on ingredients         .1       Substances not applicable         .2       Mixtures         Chemical name       Common names and synonyms       CAS number       EC       %         Water       Water       7732-18-5       231-791-2       78.39%         Sodium chloride       Sodium chloride       Sodium chloride       200-334-9       2.28%         Poly(oxy-1,2-ethanediy1)\alpha,-hydro-e-hydroxy- Ethane-1,2-diol, Poly (ethylene glycol) - 4000       25322.68-3       500-038-2       1       33%		8	U									
Response       none         Storage       none         Disposal       none         .3       Other hazards which do not result in classification         no data available       .         .       Composition/information on ingredients         .1       Substances         not applicable         .2       Mixtures         Vater       Common names and synonyms       CAS number       EC       %         Water       Water       7732-18-5       231-791-2       78.39%         Sodium chloride       Sodium chloride       504ur cloride       22.8%         Poly(oxy-1,2-ethanediy1)a,-hydro-a-hydroxy- Ethane-1,2-diol,       Poly (ethylene glycol) - 4000       25322.68-3       500-038-2       1       33%		.,	none									
Response       none         Storage       none         Disposal       none         .3       Other hazards which do not result in classification         no data available		Prevention	none									
Disposal       none         3       Other hazards which do not result in classification no data available         .       Composition/information on ingredients         .1       Substances not applicable         .2       Mixtures          Chemical name       Common names and synonyms       CAS number       EC [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       Sucrose       57-50-1       200-334-9       2.28%         Poly(oxy-1,2-ethanediy1)a,-hydro-a-hydroxy- Ethane-1,2-diol,       Poly (ethylene alwop1) - 4000       25322.68-3       500-038-2       1       33%		Response										
<ul> <li>3 Other hazards which do not result in classification no data available</li> <li>Composition/information on ingredients</li> <li>Substances not applicable</li> <li>2 Mixtures</li> <li>Chemical name Common names and synonyms number number [weight] 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%</li> <li>Poly(oxy-1,2-ethanediy1)@,-hydro-w-hydroxy- Ethane-1,2-diol, Poly (ethylene glycol) - 4000, 25322.68-3 500-038-2 1 33%</li> </ul>		0	none									
no data available Composition/information on ingredients Substances not applicable Chemical name Common names and CAS EC % [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 S7-50-1 200-334-9 2.28% Poly(oxy-1,2-ethanediy1)α,-hydro-ω-hydroxy- Ethane-1,2-diol, Poly (ethylene glycol) - 4000 25322.68-3 500-038-2 1 33%		Disposal none										
<ul> <li>Composition/information on ingredients</li> <li>Substances not applicable</li> <li>Mixtures</li> <li>Mixtures</li> <li>Chemical name</li> <li>Common names and synonyms</li> <li>CAS number</li> <li>Registric Water</li> <li>Water</li> <li>T732-18-5</li> <li>231-791-2</li> <li>78.39%</li> <li>Sodium chloride</li> <li>Sodium chloride</li> <li>Sodium chloride</li> <li>Sucrose</li> <li>Solucrose</li> <li>Sucrose</li> <li>Sucrose<!--</td--><td>.3</td><td>Other hazards which do n</td><td>ot result in classificatio</td><td>n</td><td></td><td></td><td></td></li></ul>	.3	Other hazards which do n	ot result in classificatio	n								
Chemical name         Common names and synonyms         CAS number         EC         %           Water         Water         7732-18-5         231-791-2         78.39%           Sodium chloride         Sodium chloride         7647-14-5         231-598-3         14.16%           Sucrose         Sucrose         Sr.50-1         200-334-9         2.28%           Poly(oxy-1,2-ethanediy1)α,-hydro-α-hydroxy- Ethane-1,2-diol,         Poly (ethylene glycol) - 4000         25322.68-3         500-038-2         1         33%		no data available										
not applicable           .2         Mixtures           Chemical name         Common names and synonyms         CAS number         EC         %           Water         Water         7732-18-5         231-791-2         78.39%           Sodium chloride         Sodium chloride         7647-14-5         231-598-3         14.16%           Sucrose         Sucrose         Sr-50-1         200-334-9         2.28%           Poly(oxy-1,2-ethanediyl)a,-hydro-w-hydroxy- Ethane-1,2-diol, Poly (ethylene glycol)- 4000         25322-68-3         500-038-2         1         33%		Composition/informati	on on ingredients									
Not applicable         Chemical name       Common names and synonyms       CAS number       EC       %         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)a,-hydro-w-hydroxy- Ethane-1,2-diol,       Poly (ethylene glycol)- 4000       25322-68-3       500-038-2       1       33%	.1	Substances										
.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         Sucrose         57-50-1         200-334-9         2.28%           Poly(oxy-1,2-ethanediy1)α,-hydro-ω-hydroxy- Ethane-1,2-diol, Poly (ethylene glycol) - 4000         25322-68-3         500-038-2         1         33%												
Chemical name         Common names and synonyms         CAS number         EC number         %           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)a,-hydro-w-hydroxy- Ethane-1,2-diol,         Poly (ethylene glycol)- 4000         25322-68-3         500-038-2         1.33%	• •	**										
Chemical name         synonyms         number         number         [weight]           Water         Water         7732-18-5         231-791-2         78.39%           Sodium chloride         Sodium chloride         Sodium chloride         7647-14-5         231-598-3         14.16%           Sucrose         Sucrose         Sr.50-1         200-334-9         2.28%           Poly(oxy-1,2-ethanediyl)a,-hydro-w-hydroxy- Ethane-1,2-diol,         Poly (ethylene glycol) - 4000         25322-68-3         500-038-2         1         33%	•2											
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)a,-hydro-w-hydroxy- Ethane-1,2-diol,         Poly (ethylene glycol) - 4000         25322-68-3         500-038-2         1         33%		Chemical	name			-						
Sodium chloride         Sodium chloride         7647-14-5         231-598-3         14.16%           Sucrose         Sucrose         Sr-50-1         200-334-9         2.28%           Poly(oxy-1,2-ethanediy1)a,-hydro-w-hydroxy- Ethane-1,2-diol,         Poly (ethylene glycol) - 4000         25322-68-3         500-038-2         1.33%		Water	r									
Sucrose         Sucrose         57-50-1         200-334-9         2.28%           Poly(oxy-1,2-ethanediy1)α,-hydro-ω-hydroxy- Ethane-1,2-diol,         Poly (ethylene glycol) - 4000         25322-68-3         500-038-2         1.33%												
Poly(oxy-1,2-ethanediyl)α,-hydro-ω-hydroxy- Ethane-1,2-diol, Poly (ethylene glycol) - 4000 25322.68-3 500.038-2 1 33%												
ethoxylated roly (curylete green) + 4000 25522-00-5 500-050-2 1.5570				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%		Potassium sodi	um tartrate		6381-59-5	613-385-0	1.07%					

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%
$\begin{array}{l} Poly(oxy-1,2\text{-}ethanediyl)\alpha,-hydro-\omega-hydroxy-\ Ethane-1,2\text{-}diol,\\ ethoxylated \end{array}$	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 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 spi Then store and dispose of according		ole. Absorb remaining liquid in sand or inert absorbent.				
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	<b>Control parameters</b>						
	Occupational Exposure limit values						
	*	lable fraction): 200 mg/m3; peak limitati	on 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							
	Physical and chemical pro	nerties						
	Physical and chemical properties							
	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							
	Kinematic viscosity	pure CAS 7447-40-7: 7. Remarks:Temperature and concentration not reported;pure CAS 68-04- 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 temperaturesand direct sunlight.							
	Incompatible materials							
	Hazardous decomposition pro	oducts						
		fstored and handled as prescribed/indicated.						
	Toxicological information							
	-							
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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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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	Common names and synonyms	CAS number	EC number		
Sodium chloride	Sodium chloride	7647-14-5	231-598-3		
European Inventory of Ex	sisting Commercial Chemical Substances (EINEC	CS)	Listed.		
EC Inventory					
United States Toxic Substances Control Act (TSCA)Inventory					
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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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)					

EC Inventory						Listed.
United States Toxic Subs	tances Control Act (	TSCA)Invent	torv			Listed.
China Catalog of Hazardo		, , , , , , , , , , , , , , , , , , ,				Not Listed.
New Zealand Inventory o		3				Listed.
Philippines Inventory of C		,	ces (PICCS)			Listed.
Vietnam National Chemic			()			Listed.
Chinese Chemical Invento		nical Substan	ces (China IECSC)			Listed.
Korea Existing Chemicals		incar Substan	tes (enna ileoc)			Listed.
Korea Existing Chemicals	, List (IKECE)		C		CAR	Elsted.
	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 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	• •					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.
New Zealand Inventory of						Listed.
Philippines Inventory of C		<i>`</i>	Pes (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					Not Listed.	
United States Toxic Substances Control Act (TSCA)Inventory					Not 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 Chemic	cal 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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Chemical name	Chemical name Common names and synonyms		EC number			
Glycerol	Glycerol	56-81-5	200-289-5			
European Inventory of Ex	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)						

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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	Commo	on names and synonyms	CAS number	EC numbe	
Trisodiumcitrate Sodium citrate 68-04-2					
European Inventory of Existing Commercial Chemical Substances (EINECS)					
EC Inventory					
United States Toxic Substa	nces Control Ac	et (TSCA)Inventory		Listed.	
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 Hazardou	s chemicals 201	5		Not Listed.	
New Zealand Inventory of Chemicals (NZIoC)					
Philippines Inventory of Chemicals and Chemical Substances (PICCS)					
Vietnam National Chemical	Inventory			Listed.	
<b>Chinese Chemical Inventor</b>	y of Existing Ch	emical Substances (China IECSC)		Listed.	
Korea Existing Chemicals I	list (KECL)			Listed.	
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 Inventor	y of Existing Ch	emical Substances (China IECSC)		Listed.	
Korea Existing Chemicals I	ist (KECL)			Listed.	

#### 16. Other information

Information on revision

Creation Date	Mar. 18, 2024
<b>Revision Date</b>	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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# 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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