

Version: 01

Update (MM/DD/YYYY): 08/18/2025

**Safety Data Sheet**

Prepared in accordance with EU REACH Regulation (EU regulation No. 2020/878)

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product Name	StrepCaptureXP Elution Buffer (10×)
Product Model	B00068-50/ B00068-10
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	No information available

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses	For research use only.
Uses advised against	Not for use in human or animal clinical trials, treatment or diagnosis.

**1.3 Details of the supplier of the Safety Data Sheet**

Name of the company	Nanjing GenScript Biotech Co., Ltd. No. 28 Yongxi Road, Jiangning District, Nanjing, Jiangsu, China ;
Address of the company	GenScript Biotech (Netherlands) B.V. Treubstraat 1, 1st floor. 2288EG, Rijswijk, Netherlands.
Post code	211100
Telephone number	1-877-436-7274 ; +31715690120
Fax number	1-732-210-0262
E-mail address	<a href="mailto:product@genscript.com">product@genscript.com</a> ;

**1.4 Emergency telephone number**

Emergency telephone number	1-732-885-9188
Opening hours	24h

**SECTION 2: Hazards identification****2.1 CLP classification according to Regulation ( EC ) No. 1272/2008**

Flammable Liquids	Category 3
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**2.2 Label elements**

<b>Hazard pictograms</b>	Not applicable
<b>Signal word</b>	Not applicable
<b>Hazard statements</b>	
H226	Not applicable
<b>Precautionary statements</b>	
❖ Prevention	
<b>Prevention</b>	Not applicable
❖ Response	
<b>Response</b>	Not applicable
❖ Storage	
<b>Storage</b>	Not applicable
❖ Disposal	
<b>Disposal</b>	Not applicable

### 2.3 Other hazards

- ❖ Results of PBT and vPvB assessment

<b>Component</b>	<b>Results of PBT and vPvB assessment [according to (EC) No 1907/2006]</b>
Purified water	No information available
D-Biotin	No information available
Tris	Not PBT/vPvB
Sodium chloride	Not PBT/vPvB
EDTA	Not PBT/vPvB

- ❖ Results of endocrine disrupting properties assessment

<b>Component</b>	<b>Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]</b>
Purified water	No information available
D-Biotin	No information available
Tris	No information available
Sodium chloride	No information available
EDTA	No information available

- ❖ Other

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixture

Component	Weight % content(or range)	Classification according to Regulation ( EC ) No. 1272/2008 [CLP]	Specific Cone. Limits, M-factors
<b>Purified water</b> CAS No.: 7732-18-5 EC No.: 231-791-2	66.612	Not Classified	-

Index No.: -			
<b>D-Biotin</b> CAS No.: 58-85-5 EC No.: 200-399-3 Index No.: -	12.216	Not Classified	-
<b>Tris</b> CAS No.: 77-86-1 EC No.: 201-064-4 Index No.: -	12.114	Not Classified	-
<b>Sodium chloride</b> CAS No.: 7647-14-5 EC No.: 231-598-3 Index No.: -	8.766	Not Classified	-
<b>EDTA</b> CAS No.: 60-00-4 EC No.: 200-449-4 Index No.: 607-429-00-8	0.292	Serious eye damage/irritation, Category 2, H319	-

## SECTION 4: First-aid measures

### **4.1 Description of first aid measures**

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Skin contact</b>	No harm in general situation. First aid is not needed.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician immediately.
<b>Protecting of first-aiders</b>	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

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

Please see section 11.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

Symptoms may be delayed.

## SECTION 5: Fire-fighting measures

### **5.1 Extinguishing media**

**Suitable extinguishing media** Use extinguishing media suitable for surrounding area.

**Unsuitable extinguishing media**

There is no restriction on the type of extinguisher which may be used.

**5.2 Specific hazards arising from the substance or mixture**

Development of hazardous combustion gases or vapor possible in the event of fire.

**5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

Fight fire from a safe distance, with adequate cover.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Use personal protective equipment, do not breathe gas/mist/vapour/spray.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so.

Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up**

Keep leaks in a ventilated place.

Cut off the source of the leak as much as possible.

Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

**6.4 Reference to other sections**

Personal Protective Equipment advice is contained in Section 8 of the SDS.

Disposal considerations advice is contained in Section 13 of the SDS.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- ❖ Protective measures

Handling is performed in a well ventilated place.

Wear suitable protective equipment.

Avoid contact with eyes.

- ❖ Measures to prevent fire

Keep away from heat/sparks/open flames/ hot surfaces.

- ❖ Measures to prevent aerosol and dust generation

Not applicable.

- ❖ Advice on general occupational hygiene

Provide appropriate exhaust ventilation at places where dust is formed.

Wash hands and face after using of the substances.

Replace the contaminated clothing immediately.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed.

Keep containers in a dry, cool and well-ventilated place.

Keep away from heat/sparks/open flames/hot surfaces.

Store away from incompatible materials and foodstuff containers.

### **7.3 Specific end use(s)**

In addition to use mentioned in the Section 1.2, unforeseen other specific end uses.

## SECTION 8: Exposure controls/personal protection

### **8.1 Control parameters**

**Occupational Exposure limit values**      No relevant regulations

- ❖ Biological limit values

**Biological limit values**      No relevant regulations

- ❖ Monitoring methods

EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

**GBZ/T 300 and GBZ/T 160 series standard Determination of toxic substances in workplace air.**

- ❖ Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Purified water	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available

<b>D-Biotin</b>	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
<b>Tris</b>	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
<b>Sodium chloride</b>	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available
<b>EDTA</b>	Inhalation	No information available	No information available	No information available	No information available
	Oral	No information available	No information available	No information available	No information available
	Dermal	No information available	No information available	No information available	No information available

❖ Predicted No Effect Concentration (PNEC)

<b>Component</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>
<b>Tris</b>	No hazard	No hazard identified	300 mg/L	No hazard identified	No hazard identified	No hazard identified	No hazard	No potential for bioaccumulation

	identified						identified	
<b>Sodium chloride</b>	5 mg/L	No information available	500 mg/L	No information available	No information available	No information available	4.86 mg/kg soil dw	No potential for bioaccumulation
<b>EDTA</b>	2.17 mg/L	217 µg/L	50 mg/L	No information available	No information available	No hazard identified	1.11 mg/kg soil dw	No potential for bioaccumulation

Note 1:

A: Freshwater; B: Seawater; C: Sewage treatment plant; D: Sediment (freshwater); E: Sediment (seawater); F: Air; G: Soil; H: Secondary poisoning (Hazard for Predators).

Note 2:

The PNEC values of the remaining components not shown in the product are not available yet.

## 8.2 Exposure controls

### 8.2.1 Engineering controls

Ensure adequate ventilation, especially in confined areas.

Ensure that eyewash stations and safety showers are close to the workstation location.

Set up emergency exit and necessary risk-elimination area.

Handle in accordance with good industrial hygiene and safety practice.

### 8.2.2 Personal protection equipment

#### General requirement

No special requirements, please see the description below.

#### Eye protection

In general situation, eye protection is not needed. In the production process, when contacting with vapour or dust, tightly fitting safety goggles.

#### Hand protection

In general situation, hand protection is not needed.

#### Respiratory protection

In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, wear dust proof mask or gas defence mask.

#### Skin and body protection

In general situation, skin and body protection are not needed.

### 8.2.3 Environmental exposure controls

#### Environmental exposure controls

No information available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

No information available

#### Odor

No information available

Odor threshold	No information available
pH	8.0
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	No information available
Evaporation rate	No information available
Flammability	No information available
Upper/lower explosive limits[%(v/v)]	Upper limit : No information available ; Lower limit : No information available
Vapor pressure	No information available
Vapor density(Air = 1)	No information available
Relative density(Water=1)	No information available
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity(mm <sup>2</sup> /s)	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	Not applicable

## 9.2 Other information

### 9.2.1 Information with regard to physical hazard classes

Information with regard to physical hazard classes	No information available
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### 9.2.2 Other safety characteristics

Other safety characteristics	No information available
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## SECTION 10: Stability and reactivity

### Stability and reactivity

10.1 Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
10.2 Chemical stability	Stable under proper operation and storage conditions.
10.3 Possibility of hazardous reactions	In contact with organic peroxides cause a fire immediately.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	Organic peroxides.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met

#### Acute toxicity

Component	LD50(oral)	LD50(dermal)	LC50(inhalation,4h)
EDTA	30mg/kg(Mouse)	No information available	No information available
Tris	5900mg/kg(Rat)	No information available	No information available
Sodium chloride	3000mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available

#### Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Purified water	Not Listed	Not Listed
D-Biotin	Not Listed	Not Listed
Tris	Not Listed	Not Listed
Sodium chloride	Not Listed	Not Listed
EDTA	Not Listed	Not Listed

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

<b>Component</b>	<b>Endocrine disrupting properties</b>
Purified water	No information available
D-Biotin	No information available
Tris	No information available
Sodium chloride	No information available
EDTA	No information available

#### 11.2.2 Other Information

Other Information                      See Section 11.1

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
EDTA	LC50: 74mg/L (96h)(Oryzias latipes)	EC50: 57mg/L (48h)(Daphnia magna)	ErC50: 6.0mg/L (72h)(Pseudokirchneriella subcapitata)

<b>Sodium chloride</b>	LC50: 5840mg/L (96h)(Fresh water fish)	EC50: 2120mg/L (48h)(Daphnia magna)	No information available
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#### Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
<b>EDTA</b>	NOEC: ≥35.1mg/L(Brachydanio rerio)	NOEC: 5.5mg/L(Daphnia magna)	NOEC: 0.32mg/L(Pseudokirchneriella subcapitata)

#### 12.2 Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
<b>D-Biotin</b>	<b>High</b>	<b>High</b>
<b>Tris</b>	<b>Low</b>	<b>Low</b>
<b>Sodium chloride</b>	<b>Low</b>	<b>Low</b>
<b>EDTA</b>	<b>Low</b>	<b>Low</b>

#### 12.3 Bioaccumulative potential

Component	Bioaccumulative potential	Comments
<b>D-Biotin</b>	<b>Low</b>	Log Kow=0.3855
<b>Tris</b>	<b>Low</b>	Log Kow=-1.5606
<b>Sodium chloride</b>	<b>Low</b>	Log Kow=0.5392
<b>EDTA</b>	<b>Low</b>	BCF=123

#### 12.4 Mobility in soil

Component	log Koc	Remark	Data source
<b>D-Biotin</b>	1.777		Chemwatch
<b>Tris</b>	1.88	20 °C	ECHA
<b>Sodium chloride</b>	1.155		Chemwatch
<b>EDTA</b>	2.49	25 °C, MCI method	ECHA

#### 12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Purified water	No information available
D-Biotin	No information available
Tris	Not PBT/vPvB
Sodium chloride	Not PBT/vPvB
EDTA	Not PBT/vPvB

#### 12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Purified water	No information available

D-Biotin	No information available
Tris	No information available
Sodium chloride	No information available
EDTA	No information available

### **12.7 Other adverse effects**

No information available

## SECTION 13: Disposal considerations

### **13.1 Waste treatment methods**

<b>Waste chemicals</b>	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
<b>Contaminated packaging</b>	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
<b>Disposal recommendations</b>	Refer to section waste chemicals and contaminated packaging.

## SECTION 14: Transport information

### **Label**

<b>Transporting Label</b>	Not applicable
<b>IMDG-CODE</b>	
<b>IMDG-CODE</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
<b>ICAO/IATA-DGR</b>	
<b>IATA-DGR</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
<b>UN-ADR</b>	
<b>UN-ADR</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

### **Special precautions for user**

Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.

### **Maritime transport in bulk according to IMO instruments**

- ❖ Transport in bulk according to Annex II of MARPOL and the IBC code

No information available

- ❖ Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

No information available

- ❖ Transport in bulk in accordance with the IGC Code

No information available

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### International chemical inventory

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Purified water	√	√	√	√	√	√	√	√	√	√	√	√	√
D-Biotin	√	√	√	√	√	√	√	√	√	×	√	√	√
Tris	√	√	√	√	√	√	√	√	√	√	√	√	√
Sodium chloride	√	√	√	√	√	√	√	√	√	√	√	√	√
EDTA	√	√	√	√	√	√	√	√	√	√	√	√	√

- [A] China Inventory of Existing Chemical Substances(IECSC)
- [B] European Inventory of Existing Commercial Chemical Substances(EC inventory)
- [C] United States Toxic Substances Control Act Inventory(TSCA)
- [D] Canadian Domestic Substances List(DSL)
- [E] New Zealand Inventory of Chemicals(NZIoC)
- [F] Philippines Inventory of Chemicals and Chemical Substances(PICCS)
- [G] Korea Existing Chemicals Inventory(KECL)
- [H] Australian. Inventory of Industrial Chemical (AIICS)
- [I] Japan Inventory of Existing & New Chemical Substances(ENCS)
- [J] Thailand Existing Chemicals Inventory(TECI)
- [K] Mexico National Inventory of Chemical Substances(INSQ)
- [L] Russia Inventory of Existing Substances(DRAFT)
- [M] Inventory of Existing Chemical Substances in Taiwan, China(TCSI)

##### List of Chemical Substances under International Conventions

Component	A	B	C
Purified water	x	x	x
D-Biotin	x	x	x
Tris	x	x	x
Sodium chloride	x	x	x
EDTA	x	x	x

- [A] The Montreal Protocol on Substances that Deplete the Ozone Layer
- [B] Stockholm Convention on Persistent Organic Pollutants (POPs)
- [C] Rotterdam Convention on the prior informed consent procedure for certain hazardous chemicals and pesticides in international trade

##### European chemical inventory

Component	A	B	C	D	E	F	G	H	I
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<b>Purified water</b>	x	x	x	√	x	x	x	x	x
<b>D-Biotin</b>	x	x	x	√	x	x	x	x	x
<b>Tris</b>	x	x	x	√	√	x	x	x	x
<b>Sodium chloride</b>	x	x	x	√	√	x	x	x	x
<b>EDTA</b>	x	x	x	√	√	x	x	x	x

- [A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
- [B] Substances requiring authorisation under EU REACH regulation
- [C] Substances restricted under EU REACH
- [D] Pre-registered substances under EU REACH
- [E] Registered substances under EU REACH
- [F] Substance Evaluation – CoRAP under EU REACH
- [G] List of priority substances under EU water policy (Directive 2455/2001/EC)
- [H] Substances subject to POPs Regulation
- [I] Substances proposed as POPs

Note:

"√" Indicates that the substance included in the regulations.

"x" No data or not included in the regulations.

#### German water hazard class(WGK)

Component	WGK	Remark
<b>D-Biotin</b>	<b>WGK 1</b>	
<b>Tris</b>	<b>WGK 1</b>	
<b>Sodium chloride</b>	<b>WGK 1</b>	
<b>EDTA</b>	<b>WGK 2</b>	

[WGK 1] slightly hazardous to water

[WGK 2] obviously hazardous to water

[WGK 3] highly hazardous to water

[nwg] non-hazardous to water

[awg] hazardous to water in general

#### German technical instructions on air quality control(TA LUFT)

Component	TA LUFT	Remark
<b>Tris</b>	<b>Chapter 5.2.5 Organic Substances, dust,including fine dust.To be treated as overall dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m<sup>3</sup> The mass per unit volume of 0,15 g/m<sup>3</sup> in exhaust gas is not allowed to be exceeded also on</b>	

	<p>observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m<sup>3</sup>.</p>	
Sodium chloride	<p>Chapter 5.2.1 Overall Dust, including fine dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m<sup>3</sup> The mass per unit volume of 0,15 g/m<sup>3</sup> in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m<sup>3</sup>.</p>	
EDTA	<p>Chapter 5.2.1 Overall Dust, including fine dust. The emissions of dust in the exhaust gas are not allowed to exceed the following values:Mass flow:0,20 kg/hr or Mass conc.:20 mg/m<sup>3</sup> The mass per unit volume of 0,15 g/m<sup>3</sup> in exhaust gas is not allowed to be exceeded also on observance or lower deviation of a mass flow of 0,20 kg/h.For emission sources that exceed the mass flow rate of 0.40 kg/h, the mass concentration in waste gas the mass concentration must not exceed 10 mg/m<sup>3</sup>.</p>	

German technical rules for hazardous substances(TRGS)

Component	TRGS	Remark
Purified water	TRGS 500 TRGS 509 TRGS 510	

<b>Tris</b>	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
<b>Sodium chloride</b>	TRGS 500 TRGS 509 TRGS 510	
<b>EDTA</b>	TRGS 201 TRGS 400 TRGS 555 TRGS 600 TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

### 16.1 Information on revision

#### Information on revision

<b>Creation Date</b>	2025/08/13
<b>Revision Date</b>	-
<b>Reason for revision</b>	-

#### Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2] IARC, website: <http://www.iarc.fr/>.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/>.
- [4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

#### Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-	International Maritime Dangerous Goods

		CODE	CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC50	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD50	Lethal Dose 50%	NTP	National Toxicology Program
EC50	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
ECX	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
POW	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor	G1	Carcinogenic to humans
G2A	Probably carcinogenic to humans	G2B	Possibly carcinogenic to humans
G3	Not yet classified as carcinogenic to humans	G4	Probably not carcinogenic to humans

#### Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex I, as amended by Commission Regulation (EU) 2015/830 – Europe.

#### End of Safety Data Sheet

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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