

正本/ORIGINAL

# Design Report of Safety Data Sheet

<b>*Product Name:</b>	Rechargeable Li-ion Battery System EverCore-261kWh
<b>*Applicant:</b>	Ginlong Energy Storage Co., Ltd.
<b>Supplier:</b>	Zhejiang Boshi New Energy Technology Co., Ltd
<b>*Composition of the product:</b>	Lithium iron phosphate(CAS: 15365-14-7): 37.0%; Graphite(CAS: 7782-42-5): 19.1%; EMC(CAS: 623-53-0): 12.2%; Copper(CAS: 7440-50-8): 7.5%; EC(CAS: 96-49-1): 6.1%; <b>Details on the next page</b>
<b>Warranty of Design:</b>	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) Eleventh revised edition
<b>*Information materials:</b>	HGBZ2512T0L 《Application》、P155319 《Declaration of consistency of components of the sample submitted for inspection》、P155319 《UN 38.3》、P155319-Product Picture
<b>Design Result of SDS please see next page.</b>	
<b>Designer:</b> 叶江帆	<b>Auditor:</b> 江帆
<b>Approver:</b> 戎霄	
<p>常州合规思远产品安全技术有限公司</p> <p>Changzhou Hegui Siyuan Products Safety Technology Service Co., Ltd.</p> <p>检验检测专用章</p>	

Notes: This SDS is valid before the implementation of the twelfth revised edition GHS.



正本/ORIGINAL

Contd. of Prev. page: Complete sample component information.

**\*Composition of  
the product:**

Lithium iron phosphate(CAS: 15365-14-7): 37.0%; Graphite(CAS: 7782-42-5):  
19.1%; EMC(CAS: 623-53-0): 12.2%; Copper(CAS: 7440-50-8): 7.5%; EC(CAS:  
96-49-1): 6.1%; High molecular polymer: 5.5%; Others: 4.8%; Aluminium(CAS:  
7429-90-5): 4.6%; lithium hexafluorophosphate(CAS: 21324-40-3): 3.2%

检验检测专用章



正本/ORIGINAL

## Terms of the Using of the Report

1. According to the needs of the report, the company requires the commissioner to provide real and complete samples and information (see the report belt ★). The company does not assume any consequences caused by false, misleading, concealment, and major omissions due to the entrusted party. For example, when the chemical information submitted by the commissioner, the changes in authoritative databases and related policies affect the conclusion of this report, this report automatically fails. In this report, the data is only responsible for the commissioner's inspection samples. It is not applicable to products of the same batch, the same specifications or the same brand other than the test sample. , Correction and rationality of the process or process. The accuracy of the information of the sample component information shall be responsible for the commissioner.
2. The data source of this report is based on the relevant materials and information submitted by the client, the test results of international authoritative databases, laboratories and the current relevant knowledge of the company. We try our best to ensure the correctness of all information during the audit. However, due to the diversity of information sources and the limitations of the Company's knowledge, users of this report should make further judgments on the reasonableness of relevant information based on the purpose of use.
3. This report will be effective only after it is signed by the inspector, approver and stamped by our company.
4. Our company guarantees the objectivity and fairness of this report, and carries out confidentiality obligations on business secrets such as business information, technical documents and so on.
5. This report does not consider the differences between countries and operators.
6. The partly duplicating of this report is prohibited without the written approver.
7. The report is invalid when anything of the following happens-illegal transfer, embezzlement, imposture, modification or tampering in any media form. The inspection report is limited to the use of the commissioner. The client transfer the inspection report to any loss caused by any third party use. The company will not bear any responsibility.
8. If the entrusting party has objections to the inspection report, it shall submit a written objection to the company within 15 days from the date of receiving the report. If there is no written objection if the overdue does not propose a written objection, it shall be deemed to have no objection.
9. Due to force majeure, national legal policies, administrative mandatory behavior or judicial compulsory behavior, the inspection samples provided by the commissioner are damaged and lost, resulting in inspection reports that cannot be issued, or caused any losses and costs of the client, the company will not be liable for compensation.



# Rechargeable Li-ion Battery System

## EverCore-261kWh

Version: V2.0.1.1

Report No.: HGBZ2512T0L2

Creation Date: 2025/12/24

Revision Date: -

\*According to GHS (Eleventh Revised Edition)



### Part 1: Identification

#### Product identifier

Product Name	Rechargeable Li-ion Battery System EverCore-261kWh
Product Model	EverCore-261kWh
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
Product Picture	 

#### Recommended use of the product and restrictions on use

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

#### Details of the supplier

Applicant Name	Ginlong Energy Storage Co., Ltd.
Applicant Address	No.57 Jintong Road, Binhai Industrial Park, DongChen, Xiangshan, 315712 Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA
Applicant Post Code	—
Applicant Telephone	0574-65781609
Applicant Fax	0574-65781609
Applicant E-mail	—
Supplier Name	Zhejiang Boshi New Energy Technology Co., Ltd
Supplier Address	No. 101, Workshop 1, No. 2069 East Outer Ring Road, Huimin Sub-district, Jiashan, Jiaxing, Zhejiang, China
Supplier Post Code	—

Supplier Telephone	0571 86925880
Supplier Fax	—
Supplier E-mail	—



<b>Emergency phone number</b>	
Emergency phone number	0574-65801606

## Part 2: Hazard(s) identification

### Hazard classification according to GHS

The product meets the definition of "article". In the Globally Harmonized Chemical Classification and Labeling System (GHS), the "articles" defined by the US Occupational Safety and Health Administration "Hazard Communication Standard" (29 CFR 1910.1200) or similar definitions do not fall within the scope of this system. [Rev.11 (2025) Part 1.3.2.1.1]. According to GHS system (11th revised edition), not classified as a hazardous chemical.

### GHS Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

### Hazard statements

Hazard statements	Not applicable
-------------------	----------------

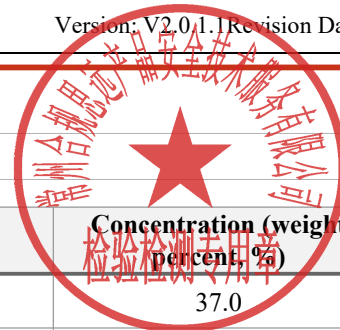
### Precautionary statements

◆ Prevention	
Prevention	Not applicable
◆ Response	
Response	Not applicable
◆ Storage	
Storage	Not applicable
◆ Disposal	
Disposal	Not applicable

### Hazard description

◆ Physical and chemical hazards	
	When the outer enclosure and safety circuits have been compromised or have been significantly damaged, it is likely to contain substantial electrical charge and can cause injury or death if mishandled. Mechanical damage can lead to danger. Battery products exposed to high temperature conditions, may produce heat out of control, causing fire.
◆ Health hazards	
Inhaled	According to the material form, it is not the normal way of contacting.
Ingestion	Accidental ingestion of the product may be harmful to the health of the individual.
Skin Contact	No harm in general situation.
Eye	This product may cause temporary discomfort following direct contact with the eye.
◆ Environmental hazards	
	Please refer to 12th chapter of SDS.

## Part 3: Composition/information on ingredients



## Substance/mixture

Mixture

Component	CAS No.	EC No.	Concentration (weight percent, %)
Lithium iron phosphate	15365-14-7	604-917-2	37.0
Graphite	7782-42-5	231-955-3	19.1
EMC	623-53-0	433-480-9	12.2
Copper	7440-50-8	231-159-6	7.5
EC	96-49-1	202-510-0	6.1
High molecular polymer	-	-	5.5
Others	-	-	4.8
Aluminium	7429-90-5	231-072-3	4.6
lithium hexafluorophosphate	21324-40-3	244-334-7	3.2

## Part 4: First-aid measures

### Description of first aid measures

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

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

1 Please see section 11.

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

1 Treat symptomatically.

2 Symptoms may be delayed.

## Part 5: Fire-fighting measures

### Extinguishing media

Suitable extinguishing media	Small fire or fire involving small battery: water spray only (large amounts); Large fire or fire involving large battery or multiple small batteries: Allow battery fire to burn itself out and protect surroundings. Safely remove undamaged containers from area. Apply water spray to neighboring batteries to reduce the spread of the hazard. A lithium ion battery fire may reignite at any point after the initial fire is extinguished, up to weeks later. Use thermal imaging, if available, to continuously monitor the battery. Reignition can be accompanied by off-gassing of white smoke or electrical arcs or sparks that reignite with visible flames or fire.
Unsuitable extinguishing media	Small fire or fire involving small battery: Do not use dry chemical, CO <sub>2</sub> or Halon®. The use of salt water for firefighting is not recommended since it may increase production of hydrogen and hydrogen fluoride gas.



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

- 1 Development of hazardous combustion gases or vapor possible in the event of fire.
- 2 May expansion or decompose explosively when heated or involved in fire.

**Special protective equipment and precautions for fire-fighters**

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Part 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

- 1 Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment, do not breathe dust/fume.

**Environmental precautions**

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

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

- 1 Keep leaks in a ventilated place.
- 2 Cut off the source of the leak as much as possible.
- 3 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 4 Isolation of contaminated areas and restrictions on access.
- 5 It is recommended that emergency personnel wear dust masks.
- 6 Collect the spill with a clean shovel and place it in a clean, dry, loosely closed container and move the container away from the leak.

**Part 7: Handling and storage**

**Precautions for safe handling**

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with skin and eyes.
- 4 Keep away from heat/sparks/open flames/ hot surfaces.

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

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

**Part 8: Exposure controls/personal protection**

**Control parameters**

- ◆ Occupational exposure limit values

Component	Country/Region	Limit value - Eight hours	Limit value - Short term
-----------	----------------	---------------------------	--------------------------

		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<b>Graphite</b>	Australia	-	3	-	-
	Canada - Ontario	-	2	-	-
	Canada - Québec	-	2	-	-
	France	-	2(inhalable aerosol)	-	-
	Germany (DFG)	-	0.3	-	2.4
	New Zealand	-	3	-	-
<b>Copper</b>	Australia	-	0.2(fume, respirable fraction)	-	-
	Canada - Ontario	-	0.2(fume, respirable fraction)	-	-
	Canada - Québec	-	0.2(fume, respirable fraction)	-	-
	France	-	0.2(fume, respirable fraction)	-	-
	Germany (DFG)	-	0.01	-	0.02
	New Zealand	-	0.01	-	-
<b>Aluminium</b>	Australia	-	5(powder, pyrophoric)	-	-
	Canada - Ontario	1	-	-	-
	Canada - Québec	-	10	-	-
	France	-	10(inhalable aerosol)	-	-
	Germany (DFG)	-	4	-	-
	New Zealand	-	5(pyrophoric powder)	-	-



◆ Biological limit values

Component	Standard	Biological monitoring index	Biological limits value	Sampling time	Remark
<b>lithium hexafluorophosphate</b>	SCOEL(EU)	Fluorine/urine	8mg/L	end of shift	

◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300 and GBZ/T 160 series standard Determination of toxic substances in workplace air.

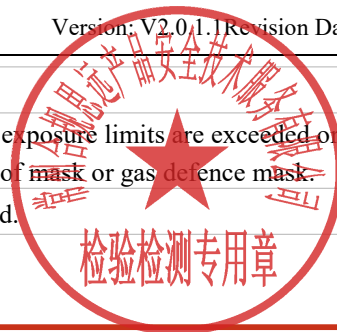
**Engineering controls**

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.

**Personal protection equipment**

<b>General requirement</b>	No special requirements, please see the description below.
<b>Eye protection</b>	In general situation, eye protection is not needed. In the production process, when contacting with vapour or dust, tightly fitting safety goggles.

<b>Hand protection</b>	In general situation, hand protection is not needed.
<b>Respiratory protection</b>	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.
<b>Skin and body protection</b>	In general situation, skin and body protection are not needed.



## Part 9: Physical and chemical properties

### Physical and chemical properties

<b>Physical state</b>	Lithium ion battery
<b>Colour</b>	White
<b>Odor</b>	No special odor
<b>Odor threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting point/freezing point(°C)</b>	No information available
<b>Initial boiling point and boiling range(°C)</b>	No information available
<b>Flash point(Closed cup,°C)</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability</b>	Not flammable
<b>Upper/lower explosive limits[%(v/v)]</b>	Upper limit: No information available; Lower limit: No information available
<b>Vapor pressure</b>	Not applicable
<b>Relative vapour density(Air=1)</b>	Not applicable
<b>Relative density(Water=1)</b>	No information available
<b>Solubility</b>	Insoluble in water
<b>n-octanol/water partition coefficient</b>	No information available
<b>Auto-ignition temperature(°C)</b>	No information available
<b>Decomposition temperature(°C)</b>	No information available
<b>Kinematic viscosity</b>	Not applicable
<b>Particle characteristics</b>	No information available

## Part 10: Stability and reactivity

### Stability and reactivity

<b>Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions.
<b>Chemical stability</b>	Stable under proper operation and storage conditions.
<b>Possibility of hazardous reactions</b>	Reacts with Hg severely and forms amalgam.
<b>Conditions to avoid</b>	Incompatible materials, heat, flame and spark.
<b>Incompatible materials</b>	Oxidants, halogen, interhalogen and mercury.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Part 11: Toxicological information



**Acute toxicity**

Component	LD <sub>50</sub> (oral)	LD <sub>50</sub> (dermal)	LC <sub>50</sub> (inhalation, 4h)
EC	10000mg/kg(Rat)	> 3000mg/kg(Rabbit)	No information available

**Carcinogenicity**

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Lithium iron phosphate	Not Listed	Not Listed
Graphite	Not Listed	Not Listed
EMC	Not Listed	Not Listed
Copper	Not Listed	Not Listed
EC	Not Listed	Not Listed
High molecular polymer	Not Listed	Not Listed
Others	Not Listed	Not Listed
Aluminium	Not Listed	Not Listed
lithium hexafluorophosphate	Not Listed	Not Listed

**Others**

Rechargeable Li-ion Battery System EverCore-261kWh	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met

**Part 12: Ecological information**

**Acute aquatic toxicity**

Component	Fish	Crustaceans	Algae or other aquatic plants
Graphite	LC <sub>50</sub> : 100mg/L (96h)(Fresh water fish)	No information available	No information available
EMC	LC <sub>50</sub> : >100mg/L (96h)(Fresh water fish)	EC <sub>50</sub> : > 100mg/L (48h)(Daphnia magna)	ErC <sub>50</sub> : > 62mg/L (72h)(Algae)
Aluminium	LC <sub>50</sub> : 1.55mg/L (96h)(Fish)	No information available	No information available
Copper	LC <sub>50</sub> : 0.665mg/L (96h)(Fish)	EC <sub>50</sub> : 0.02mg/L (48h)(Daphnia magna)	ErC <sub>50</sub> : 7.9mg/L (96h)(Freshwater algae)
Lithium iron phosphate	LC <sub>50</sub> : >28mg/L (96h)(Fresh water fish)	EC <sub>50</sub> : > 28mg/L (48h)(Aquatic invertebrates)	ErC <sub>50</sub> : > 24mg/L (72h)(Algae)
EC	LC <sub>50</sub> : >100mg/L (96h)(Fish)	EC <sub>50</sub> : > 100mg/L (48h)(Ceriodaphnia dubia)	ErC <sub>50</sub> : > 100mg/L (72h)(Algae)
lithium hexafluorophosphate	LC <sub>50</sub> : 68mg/L (96h)(Fresh water fish)	No information available	No information available

**Chronic aquatic toxicity**

Component	Fish	Crustaceans	Algae or other aquatic plants
lithium hexafluorophosphate	NOEC: 3.1mg/L(Fish)	No information available	No information available



**Persistence and degradability**

Component	Persistence (water/soil)	Persistence (air)
Graphite	Low	Low
EMC	High	High
EC	High	High

**Bioaccumulative potential**

Component	Bioaccumulative potential	Comments
Graphite	Low	Log Kow=0.5294
EMC	Low	Log Kow=0.7247
EC	Low	Log Kow=-0.3388

**Mobility in soil**

Component	log Koc	Remark	Data source
Lithium iron phosphate	-0.252		ECHA
Graphite	1.375		Chemwatch
EMC	0.199	40°C	ECHA
EC	1.08	20 °C	ECHA

**Results of PBT and vPvB assessment**

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006 with amendment 2020/878]
Lithium iron phosphate	No information available
Graphite	Not applicable
EMC	Not PBT/vPvB
Copper	Not applicable
EC	Not PBT/vPvB
High molecular polymer	No information available
Others	No information available
Aluminium	Not applicable
lithium hexafluorophosphate	Not applicable

**Part 13: Disposal considerations**

**Disposal considerations**

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

**Part 14: Transport information**



**Label**

Transporting Label	
--------------------	--

**IMDG-CODE**

UN number	3480
UN proper shipping name	LITHIUM ION BATTERIES (including lithium ion polymer batteries)
Transport hazard class	9
Transport subsidiary hazard class	None
Packing group	Packagings shall conform to the packing group II performance level
Marine pollutant (Yes or no)	No

**ICAO/IATA-DGR**

UN number	3480
UN proper shipping name	LITHIUM ION BATTERIES (including lithium ion polymer batteries)
Transport hazard class	9
Transport subsidiary hazard class	None
Packing group	Packagings shall conform to the packing group II performance level

**UN-ADR**

UN number	3480
UN proper shipping name	LITHIUM ION BATTERIES(including lithiumion polymer batteries)
Transport hazard class	9
Transport subsidiary hazard class	None
Packing group	Packagings shall conform to the packing group II performance level

**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.
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**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

**Part 15: Regulatory information**

**International chemical inventory**

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Lithium iron phosphate	√	×	√	√	×	×	√	×					
Graphite	√	√	√	√	√	√	√	√					
EMC	√	×	√	×	×	√	√	×	√				√
Copper	√	√	√	√	√	√	√	√	√	√	√	√	√
EC	√	√	√	√	√	√	√	√	√		×	×	√
High molecular polymer	×	×	×	×	×	×	×	×	×	×	×	×	×
Others	×	×	×	×	×	×	×	×	×	×	×	×	×
Aluminium	√	√	√	√	√	√	√	√	√	√	√	√	√
lithium hexafluorophosphate	√	√	√	×	×	√	√	√	×	√	×	√	√



- 【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
Lithium iron phosphate	×	×	×
Graphite	×	×	×
EMC	×	×	×
Copper	×	×	×
EC	×	×	×
High molecular polymer	×	×	×
Others	×	×	×
Aluminium	×	×	×
lithium hexafluorophosphate	×	×	×

- 【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

Note:

- “√” Indicates that the substance included in the regulations.
- “×” No data or not included in the regulations.

**Part 16: Other information**

**Information on revision**

Creation Date	2025/12/24
---------------	------------

Revision Date	-
Reason for revision	-



## 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-CODE	International Maritime Dangerous Goods 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
LC <sub>50</sub>	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD <sub>50</sub>	Lethal Dose 50%	NTP	National Toxicology Program
EC <sub>50</sub>	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC <sub>x</sub>	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P <sub>OW</sub>	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 UN GHS (the 11th revised edition). 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.