



Report No.: MND251400QD_EU(En)

Nomination No.: QDF25-0086053-02

Safety Data Sheet (SDS)

Product Name: Cassava starch cat litter

Warranty of Design: EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)

Application Company Name: Qingdao Gilancy Pet Products Co.,Ltd.

Application Company Address: NO.430,Hongliuhe Road,Huangdao Area,Qingdao city,Shandong,China

Contact Information: +86 13954218246

24 Hour Emergency Call: **+86 0532 80989625**

Inspection Date: 2025/10/13

SGS-CSTC Standards Technical Services(Qingdao) Co.,Ltd

Authorised Signatory
2025-10-14



The report would be invalid without authorized signature. The report shall not be reproduced except in full, without written approval of the Company. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Unless otherwise agreed in writing, this document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China
中国·山东·青岛市崂山区株洲路143号通标中心

t (86-0532) 68999367 www.sgsgroup.com.cn
t (86-0532) 68999367 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Safety Data Sheet

Cassava starch cat litter

Version: V2.0.0.1
Report No.: MND251400QD_EU(En)
Nomination No.: QDF25-0086053-02
Creation Date: 2025/10/13
Revision Date: -
*Prepared in accordance with EU REACH Regulation (REACH 1907/2006 with amendment 2020/878)

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name	Cassava starch cat litter
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	Pet cat excrement treatment products, used to absorb the odor of cat excrement, wrap excrement, and maintain a clean living environment for pets.
Uses advised against	Please consult manufacturer.

1.3 Details of the supplier of the Safety Data Sheet

Name of the company	Qingdao Gilancy Pet Products Co.,Ltd.
Address of the company	NO.430,Hongliuhe Road,Huangdao Area,Qingdao city,Shandong,China
Post code	—
Telephone number	+86 13954218246
Fax number	+86 0532 67794939
E-mail address	wubin@gilancy.com

1.4 Emergency telephone number

Emergency telephone number	+86 0532 80989625
Opening hours	24h

2 Hazards identification

2.1 CLP classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707

According to Regulation (EC) No 1272/2008 and its amendments. Not classified as a dangerous substance.

2.2 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
-----------------	----------------

2.3 Other hazards

◆ Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Corn Starch	Insufficient information, temporarily unable to evaluate
Cassava Starch	Insufficient information, temporarily unable to evaluate
Sodium Alginate	Insufficient information, temporarily unable to evaluate

◆ Results of endocrine disrupting properties assessment

Component	Results of endocrine disrupting properties assessment [according to (EU) No 2017/2100 or (EU) No 2018/605]
Corn Starch	Insufficient information, temporarily unable to evaluate
Cassava Starch	Insufficient information, temporarily unable to evaluate
Sodium Alginate	Insufficient information, temporarily unable to evaluate

◆ Other

	Not applicable.
--	-----------------

3 Composition/information on ingredients

3.1 Substance/mixture

	Mixture
--	---------

Component	Weight % content(or range)	Classification according to Regulation (EC) No. 1272/2008 with amendment 2023/707 [CLP]	Specific Conc. Limits, M-factors
Corn Starch CAS: 9005-25-8 EC: 232-679-6 Index No.: -	68	Not Classified	-
Cassava Starch CAS: 9005-25-8 EC: 232-679-6 Index No.: -	30	Not Classified	-
Sodium Alginate CAS: 9005-38-3 EC: 618-415-6 Index No.: -	2	Not Classified	-

4 First-aid measures

4.1 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. If you feel unwell, see a doctor.
Skin contact	Rinse and then wash skin with water and soap.
Ingestion	Rinse mouth.
Inhalation	Fresh air, rest.
Protecting of first-aiders	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

1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
---	--

4.3 Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

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

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.

5.3 Advice for firefighters

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.

6 Accidental release measures

6.1 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.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections

1	Personal Protective Equipment advice is contained in Section 8 of the SDS.
2	Disposal considerations advice is contained in Section 13 of the SDS.

7 Handling and storage

7.1 Precautions for safe handling

◆ Protective measures

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.

◆ Measures to prevent fire

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

◆ Measures to prevent aerosol and dust generation

1	Avoid formation of dust and aerosols.
2	Provide appropriate exhaust ventilation at places where dust is formed.

◆ Advice on general occupational hygiene

1	Wash hands and face after using the substances.
2	Replace the contaminated clothing immediately.

7.2 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.

7.3 Specific end use(s)

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

8 Exposure controls/personal protection

8.1 Control parameters

◆ Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Corn Starch	United Kingdom	-	10(inhalable fraction);4(res	-	-

			pirable fraction)		
	Belgium	-	10	-	-
	Ireland	-	10	-	-
	New Zealand	-	10	-	-
	Spain	-	10(inhalable aerosol)	-	-
	Switzerland	-	3(respirable aerosol)	-	-
Cassava Starch	United Kingdom	-	10(inhalable fraction);4(respirable fraction)	-	-
	Belgium	-	10	-	-
	Ireland	-	10	-	-
	New Zealand	-	10	-	-
	Spain	-	10(inhalable aerosol)	-	-
	Switzerland	-	3(respirable aerosol)	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
--------------------------------	-------------------------

◆ 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.

◆ Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Corn Starch	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Cassava Starch	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Sodium Alginate	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	No information available
---	--------------------------

8.2 Exposure controls

8.2.1 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	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

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
---------------------------------	--------------------------

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	White or light yellow granular solid with uniform particle size (0.5-3mm) and no obvious agglomeration.
Colour	White or light yellow
Odor	Has a slight natural starch odor and no irritating odors.
Odor threshold	No information available
pH	6.5-7.5 (1% aqueous solution, neutral).
Melting point/freezing point(°C)	No clear melting point, heating above 300 C will gradually carbonize, no solidification point.
Initial boiling point and boiling range(°C)	No boiling point, will not boil during heating process, will gradually decompose and carbonize.
Flash point(Closed cup, °C)	Not applicable
Evaporation rate	Not applicable
Flammability	non-flammable
Upper/lower explosive limits[% (v/v)]	No relevant data available. The dust of this product is not easily able to reach explosive concentrations and is not flammable, so there is no risk of dust explosion
Vapor pressure(kPa)	Not applicable
Vapor density(Air = 1)	Not applicable
Relative density(Water=1)	About 0.7-0.9 (granular), with a density lower than that of water.
Solubility(mg/L)	Insoluble in water, it will quickly absorb water and expand when encountering water, forming gel like material, which can wrap liquid.
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	>350
Kinematic viscosity(mm ² /s)	Not applicable
Explosive properties	No information available

Oxidizing properties	No information available
Particle characteristics	No information available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Information with regard to physical hazard classes	No information available
---	--------------------------

9.2.2 Other safety characteristics

Other safety characteristics	No information available
-------------------------------------	--------------------------

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	No information available.
10.4 Conditions to avoid	Incompatible materials, heat, flame and spark.
10.5 Incompatible materials	No information available.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 with amendment 2023/707

Cassava starch cat litter	
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-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

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Sodium Alginate	> 5000mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Corn Starch	Not Listed	Not Listed
Cassava Starch	Not Listed	Not Listed
Sodium Alginate	Not Listed	Not Listed

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Component	Endocrine disrupting properties
Corn Starch	No information available
Cassava Starch	No information available
Sodium Alginate	No information available

11.2.2 Other Information

Other Information	See Section 11.1
-------------------	------------------

12 Ecological information

12.1 Toxicity

Acute aquatic toxicity

Acute aquatic toxicity	No information available
------------------------	--------------------------

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
--------------------------	--------------------------

12.2 Persistence and degradability

Persistence and degradability	No information available
-------------------------------	--------------------------

12.3 Bioaccumulative potential

Bioaccumulative potential	No information available
---------------------------	--------------------------

12.4 Mobility in soil

Mobility in soil	No information available
------------------	--------------------------

12.5 Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Corn Starch	Insufficient information, temporarily unable to evaluate
Cassava Starch	Insufficient information, temporarily unable to evaluate
Sodium Alginate	Insufficient information, temporarily unable to evaluate

12.6 Endocrine disrupting properties

Component	Endocrine disrupting properties
Corn Starch	No information available
Cassava Starch	No information available
Sodium Alginate	No information available

12.7 Other adverse effects

	No information available
--	--------------------------

13 Disposal considerations

13.1 Waste treatment methods

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.

14 Transport information

Label and Mark

Transporting Label	Not applicable
--------------------	----------------

IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
-----------	--

IATA-DGR

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
----------	--

UN-ADR

UN-ADR	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

	Not Available
--	---------------

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

	Not Available
--	---------------

- ◆ Transport in bulk in accordance with the IGC Code

	Not Available
--	---------------

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
Corn Starch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cassava Starch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Alginate	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- [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
Corn Starch	×	×	×
Cassava Starch	×	×	×
Sodium Alginate	×	×	×

- 【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
Corn Starch	×	×	×	√	×	×	×	×	×
Cassava Starch	×	×	×	√	×	×	×	×	×
Sodium Alginate	×	×	×	√	×	×	×	×	×

- 【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.
- “×” No data or not included in the regulations.

German water hazard class(WGK)

Component	WGK	Remark
Corn Starch	nwg	
Cassava Starch	nwg	
Sodium Alginate	WGK 1	

- 【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
Corn Starch	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 ³ The mass per unit volume of 0,15 g/m ³ 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 ³ .	
Cassava Starch	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 ³ The mass per unit volume of 0,15 g/m ³ 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 ³ .	

| German technical rules for hazardous substances(TRGS)

Component	TRGS	Remark
Corn Starch	TRGS 500 TRGS 509 TRGS 510 TRGS 800 TRGS 720 TRGS 721 TRGS 722 TRGS 723 TRGS 724	
Cassava Starch	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.
--	--

16 Other information

| Information on revision

Creation Date	2025/10/13
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 ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

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.