

Design Report of Safety Data Sheet

正本/ORIGINAL

Report No.:	HGBZ23031F11	 防伪码: 02ST
Inspection date:	2023/03/07	
Issue date:	2023/03/07	
Version:	V2.0.0.1	
*Product Name:	Slime Powder	
*Applicant:	Canal Toys Ltd	
Supplier:	Canal Toys Ltd	
*Composition of the product:	Agar Powder: 93.88~96.84%; Sodium Tripolyphosphate: 3~6%; Boric acid: 0.04~0.08%; Sodium Dehydro Acetate: 0.5%; May contain: FD&C Yellow no. 5 Aluminum Lake: 0.01~0.03%; FD&C Green No.3: 0.01~0.03%; Details on the next page	
Warranty of Design:	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) Ninth revised edition	
*Information materials:	HGBZ23031F1《Application》、P108598《Declaration of consistency of components of the sample submitted for inspection》	
Design Result of SDS please see next page. Designer:  Auditor:  Approver:   常州合规思远产品安全技术服务有限公司 Changzhou Hegui Siyuan Products Safety Technology Service Co., Ltd. 报告专用章		

名称: 常州合规思远产品安全技术服务有限公司 (简称: 合规化学)
 Name: Changzhou HeguiSiyuan Products Safety Technology Service Co., Ltd. (CRchemical)
 地址: 江苏省常州市新北区太湖东路9号4幢1205室
 Add: 4-1205, Creative Industries Park, No.9, East Taihu Road, Xinbei District, Changzhou, 213022, Jiangsu P.R.China.
 网址|Web: www.hgmsds.com 电话|Tel: +86-519-8515 0306 邮箱|E-mail: msds@hgmsds.com

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

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名称: 常州合规思远产品安全技术有限公司 (简称: 合规化学)

Name: Changzhou HeguiSiyuan Products Safety Technology Service Co., Ltd. (CRchemical)

地址: 江苏省常州市新北区太湖东路9号4幢1205室

Add: 4-1205, Creative Industries Park, No.9, East Taihu Road, Xinbei District, Changzhou, 213022, Jiangsu P.R.China.

网址|Web: www.hgmsds.com

电话|Tel: +86-519-8515 0306

邮箱|E-mail: msds@hgmsds.com

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名称: 常州合規思遠產品安全技術服務有限公司 (简称: 合規化學)
Name: Changzhou HeguiSiyuan Products Safety Technology Service Co., Ltd. (CRchemical)
地址: 江苏省常州市新北区太湖东路9号4幢1205室
Add: 4-1205, Creative Industries Park, No.9, East Taihu Road, Xinbei District, Changzhou, 213022, Jiangsu P.R.China.
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Safety Data Sheet

Slime Powder

Version : V2.0.0.1

Report No. : HGBZ23031F11

Creation Date : 2023/03/07

Revision Date : 2023/03/07

*According to GHS (Ninth Revised Edition)



1 Identification

Product identifier

Product Name	Slime Powder
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

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	Canal Toys Ltd
Applicant Address	18, rue Curnonsky, 75017 Paris, France
Applicant Post Code	
Applicant Telephone	+ 33 1 47 15 70 50
Applicant Fax	
Applicant E-mail	gary.li@canaltoysasia.com
Supplier Name	Canal Toys Ltd
Supplier Address	18, rue Curnonsky, 75017 Paris, France
Supplier Post Code	
Supplier Telephone	+ 33 1 47 15 70 50
Supplier Fax	
Supplier E-mail	alexander.putzschke@canaltoys.fr

Emergency phone number

Emergency phone number	Société / Organisme: INRS / ORFILA Tel. +33 (0) 1 45 42 59 59 http://www.centres-antipoison.net
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2 Hazard(s) identification

Hazard classification according to GHS

According to GHS system (9th 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
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Precautionary statements

◆ Prevention

Prevention	Not applicable
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◆ Response

Response	Not applicable
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◆ Storage

Storage	Not applicable
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◆ Disposal

Disposal	Not applicable
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Hazard description

◆ Physical and chemical hazards

	No information available
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◆ Health hazards

Inhaled	Inhalation of the product may produce adverse health effects or irritation of the respiratory tract following discomfort.
Ingestion	Accidental ingestion of the product may be harmful to the health of the individual.
Skin Contact	Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.
Eye	This product may cause temporary discomfort following direct contact with the eye.

◆ Environmental hazards

	Please refer to 12th chapter of SDS.
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3 Composition/information on ingredients**Substance/mixture**

	Mixture
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Component	CAS No.	EC No.	Concentration (wt, %)
Agar Powder	9002-18-0	232-658-1	93.88~96.84
Sodium Tripolyphosphate	7758-29-4	231-838-7	3~6
Boric acid	10043-35-3	233-139-2	0.04~0.08
Sodium Dehydro Acetate	4418-26-2	224-580-1	0.5
May contain			
FD&C Yellow no. 5 Aluminum Lake	1934-21-0	217-699-5	0.01~0.03
FD&C Green No.3	2353-45-9	219-091-5	0.01~0.03
FD&C Red No.3	16423-68-0	240-474-8	0.01~0.03
FD&C Red No.40	25956-17-6	247-368-0	0.01~0.03
Titanium Dioxide	13463-67-7	236-675-5	0.01~0.03

Carmines	1390-65-4	215-724-4	0.01~0.03
FD&C Blue 1 Al lake	68921-42-6	272-939-6	0.01~0.03
FD&C red no. 7 Calcium Lake	5281-04-9	226-109-5	0.01~0.03
FD&C Blue No.1	3844-45-9	223-339-8	0.01~0.03
Manganese Violet	10101-66-3	233-257-4	0.01~0.03

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.
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Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Fire-fighting measures

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.

Specific hazards arising from the substance or mixture

1	Development of hazardous combustion gases or vapor possible in the event of fire.
2	Not considered a significant fire risk, however containers may burn.

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.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

1	Ensure adequate ventilation. Remove all sources of ignition.
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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	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.

7 Handling and storage

Precautions for safe handling

1	Handling is performed in a well ventilated place.
2	Avoid contact with eyes.
3	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.

8 Exposure controls/personal protection

Control parameters

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Boric acid	Switzerland		10		10
	Spain		2		6
	Latvia		10		
	Germany (AGS)		0.5		1
	Canada - Ontario		2		6
	Belgium		2		6
	USA-ACGIH		2		6
Titanium Dioxide	USA - OSHA		15		
	South Korea		10		
	Ireland		10		

	France		11		
	Denmark		6		12
	Australia		10		
	USA-ACGIH		2.5		
	USA-ACGIH		0.2		

◆ Biological limit values

Biological limit values	No relevant regulations
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◆ 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 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

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.

9 Physical and chemical properties and safety characteristics

Physical and chemical properties

Physical state	Solid (powder)
Colour	Colored
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable
Upper/lower explosive limits[%(v/v)]	Upper limit : No information available ; Lower limit : No information available

Vapor pressure	Not applicable
Relative vapour density(Air = 1)	Not applicable
Relative density(Water=1)	2.52 (Agar Powder)
Solubility	Partly miscible with water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity	Not applicable
Particle characteristics	Powder

10 Stability and reactivity

| Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No information available.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	No information available.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

| Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
FD&C Red No.40	> 10000mg/kg(Rat)	> 10000mg/kg(Rabbit)	No information available
Sodium Dehydro Acetate	500mg/kg(Rat)	No information available	No information available
Agar Powder	11000mg/kg(Rat)	No information available	No information available
FD&C Green No.3	> 2000mg/kg(Rat)	No information available	No information available
Sodium Tripolyphosphate	3120mg/kg(Rat)	> 4640mg/kg(Rabbit)	No information available
FD&C Red No.3	1840mg/kg(Rat)	No information available	No information available
Boric acid	2660mg/kg(Rat)	No information available	No information available
FD&C Yellow no. 5 Aluminum Lake	12750mg/kg(Mouse)	No information available	No information available

| Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Agar Powder	Not Listed	Not Listed
Sodium Tripolyphosphate	Not Listed	Not Listed
Boric acid	Not Listed	Not Listed

Sodium Dehydro Acetate	Not Listed	Not Listed
FD&C Yellow no. 5 Aluminum Lake	Not Listed	Not Listed
FD&C Green No.3	Category 3	Not Listed
FD&C Red No.3	Not Listed	Not Listed
FD&C Red No.40	Not Listed	Not Listed
Titanium Dioxide	Category 2B	Not Listed
Carmines	Not Listed	Not Listed
FD&C Blue 1 Al lake	Not Listed	Not Listed
FD&C red no. 7 Calcium Lake	Not Listed	Not Listed
FD&C Blue No.1	Category 3	Not Listed
Manganese Violet	Not Listed	Not Listed

Others

Slime Powder	
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
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
FD&C Red No.40	LC ₅₀ : > 100mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Crustaceans)	No information available
Sodium Dehydro Acetate	LC ₅₀ :100mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Crustaceans)	No information available
FD&C Green No.3	LC ₅₀ : 3000mg/L (96h)(Fish)	No information available	No information available
Sodium Tripolyphosphate	LC ₅₀ : 1850mg/L (96h)(Fish)	EC ₅₀ : 277mg/L (48h)(Crustaceans)	No information available
FD&C Red No.3	LC ₅₀ : > 100mg/L (96h)(Fish)	EC ₅₀ : 8.1mg/L (48h)(Crustaceans)	No information available
Boric acid	LC ₅₀ :487mg/L (96h)(Fish)	EC ₅₀ : 226mg/L (48h)(Crustaceans)	ErC ₅₀ : 290mg/L (72h)(Algae)
FD&C Yellow no. 5 Aluminum Lake	LC ₅₀ : > 120mg/L (96h)(Fish)	EC ₅₀ : > 125mg/L (48h)(Crustaceans)	No information available

FD&C red no. 7 Calcium Lake	LC ₅₀ : 33mg/L (96h)(Fish)	EC ₅₀ : > 100mg/L (48h)(Crustaceans)	No information available
Carmines	No information available	EC ₅₀ : > 6.3mg/L (48h)(Crustaceans)	No information available

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
Boric acid	No information available	No information available	NOEC : 82mg/L(Algae)

Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Boric acid	Low	Low
FD&C Yellow no. 5 Aluminum Lake	High	High
FD&C Green No.3	High	High
FD&C Red No.3	High	High
Titanium Dioxide	High	High
Carmines	Low	Low

Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Boric acid	Low	BCF=0
FD&C Yellow no. 5 Aluminum Lake	Low	BCF=3
FD&C Green No.3	Low	Log Kow=1.5657
FD&C Red No.3	High	Log Kow=6.2002
Titanium Dioxide	Low	BCF=10
Carmines	Low	Log Kow=0.9721
FD&C red no. 7 Calcium Lake	Low	BCF=7

Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Boric acid	Low	35.04
FD&C Yellow no. 5 Aluminum Lake	Low	79.38
FD&C Green No.3	Low	10000000000
FD&C Red No.3	Low	18860
Titanium Dioxide	Low	23.74
Carmines	Low	10

Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Agar Powder	Not available
Sodium Tripolyphosphate	Not PBT/vPvB
Boric acid	Not applicable
Sodium Dehydro Acetate	Not PBT/vPvB
FD&C Yellow no. 5 Aluminum Lake	Not PBT/vPvB
FD&C Green No.3	Not PBT/vPvB
FD&C Red No.3	Not PBT/vPvB
FD&C Red No.40	Not PBT/vPvB
Titanium Dioxide	Not applicable
Carmines	Not available
FD&C Blue 1 Al lake	Not PBT/vPvB
FD&C red no. 7 Calcium Lake	Not PBT/vPvB
FD&C Blue No.1	Not PBT/vPvB
Manganese Violet	Not applicable

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.

14 Transport information

| Label

Transporting Label	Not applicable
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| IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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| ICAO/IATA-DGR

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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| UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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15 Regulatory information

| International chemical inventory

Component	EC inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIICS	ENCS
Agar Powder	✓	✓	✓	✓	✓	✓	✓	✓	×
Sodium Tripolyphosphate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boric acid	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Dehydro Acetate	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD&C Yellow no. 5 Aluminum Lake	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD&C Green No.3	✓	✓	✓	✓	✓	✓	×	✓	✓
FD&C Red No.3	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD&C Red No.40	✓	✓	✓	✓	✓	✓	✓	✓	×
Titanium Dioxide	✓	✓	✓	✓	✓	✓	✓	✓	✓
Carmine	✓	×	×	✓	✓	✓	✓	✓	×
FD&C Blue 1 Al lake	✓	✓	✓	✓	✓	✓	×	✓	✓
FD&C red no. 7 Calcium Lake	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD&C Blue No.1	✓	✓	✓	✓	✓	✓	✓	✓	✓
Manganese Violet	✓	✓	✓	✓	✓	✓	✓	✓	×

[EC inventory]	European Inventory of Existing Commercial Chemical Substances
[TSCA]	United States Toxic Substances Control Act Inventory
[DSL]	Canadian Domestic Substances List
[IECSC]	China Inventory of Existing Chemical Substances
[NZIoC]	New Zealand Inventory of Chemicals
[PICCS]	Philippines Inventory of Chemicals and Chemical Substances
[KECI]	Korea Existing Chemicals Inventory
[AIICS]	Australian. Inventory of Industrial Chemical (AIICS)
[ENCS]	Japan Inventory of Existing & New Chemical Substances

Note:

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

16 Other information

Information on revision

Creation Date	2023/03/07
Revision Date	2023/03/07
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/substancesearch/index.action>.
- [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 UN GHS (the 9th 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.