
SAFETY DATA SHEET

(SDS) for

iSmile Teeth Whitening Gel

Section 1: Identification

1.1 Product Identification

Product Name: iSmile Teeth Whitening Gel

Product Model: iSmile

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

Identified Uses: Home use Teeth Whitening Gel, Teeth Cleaning

Use advised against: No data available

1.3 Details of the Manufacturer or Supplier

Manufacturer: Shanghai Bright Kun Industrial Limited

Address: 2nd Fl Bldg 42 No. 550 Zhenkang Road Shanghai 201514 PRC

Telephone: +86-13524372149

Fax: +86-21-37789950

Email: info@brightkun.com

1.4 Details of the Distributor

Distributor Name: iSmile Whitening

Address: 2805 East Oakland Park Blvd 201 Fort Lauderdale FL 33306 USA

Telephone: 800-685-7362

1.5 Emergency Telephone Number:

Emergency Telephone: 0086-13524372149

Section 2: Hazard(s) Identification

2.1 Classification of the substance or mixture

GHS Classification: Serious eye irritation (Category 2A), H319

2.2 GHS Label elements, including precautionary statements

GHS Labels:



Pictogram(s):

Signal Word: Warning

Hazard Statement: H319 Causes serious eye irritation.

Precautionary Statement(s)

Prevention & Response Precautionary Statements:

P280 Wear eye protection/ face protection.

P264 Wash thoroughly after handling.

P305 + P351 + P338 If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + 313 If eye irritation persists get medical advice/ attention.

Storage Precautionary Statements: NONE

Disposal Precautionary Statements: NONE

2.3 Description of any hazards not otherwise classified

None. See section 11 for more detailed information on health effects and symptoms.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS No.	Content (%)
Carbamide Peroxide	124-43-6	35
Carbopol	9062-04-8	6
1,2-Propanediol	57-55-6	30
Glycerine	56-81-5	25
Triethanolmine	102-71-6	3
EDTA	60-00-4	0.8
Menthol	2216-51-5	0.2

Abbreviation: CAS NO. is Chemical Abstract Service Registry Number.

Section 4: First-Aid Measures

4.1 Description of first aid measures:

Eye contact: Flush eyes with plenty of water for several minutes, occasionally lifting the upper and lower eyelids. If eye irritation continues, contact a doctor.

Skin Contact: Wash off with soap and plenty of water. If skin irritation continues, contact a doctor.

Inhalation: Remove a fresh air and keep at rest in a position comfortable for breathing. Contact a physician if discomfort.

Ingestion: Wash out mouth with water and drink plenty of water. Seek medical attention immediately.

4.2 Most Important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2 and section 11.

4.3 Indication of any immediate medical attention and special

treatment needed

Consult a physician or contact Poison Control Center if chemical solution is ingested in large amounts. Physicians are required to treat victim symptomatically.

Section 5: Fire-Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media:

Water Spray, Dry Chemical, Carbon Dioxide or Alcohol-resistant Foam

Unsuitable Extinguishing Media:

None Known

5.2 Special Hazards arising from the substance or mixture

Overheat may produce hazardous vapor and decomposition products. Decomposition products: Carbon oxides, nitrogen oxides, Oxygen etc. Explosion risk when combined with metals, some acids, and organic material.

5.3 Advice for firefighters

Evacuate personal to safe areas. As in any fire, wear self-contained breathing apparatus and full protective gear for firefighting.

5.4 Further information

No data available.

Section 6: Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of

this Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

6.1 Personal precautions, protective equipment and emergency procedures:

Ventilate area. Avoid direct contact with spillage. Avoid inhaling concentrated vapor. Use suitable personal protective equipment.

6.2 Environmental Precautions:

Stop leakage if safe. Prevent further leakage or spillage if safe to do so. Do not let large amount of undiluted product enter drains.

6.3 Methods and materials for containment and cleaning up:

Small spills: wipe up excess with wet cloth. Use wet cloth or mop to remove residual material.

Large spills: dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Clear up under the guidance of experts. Gather the spilled product and keep in suitable, closed containers for recycle and disposal (see section 13).

Section 7: Handling and Storage

7.1 Precautions for safe handling:

For intraoral use only. Take-home whitening can be used. Follow good hygiene practices. Do not smoke, eat or drink while using. Use suitable protective equipment when handling. Wash thoroughly after handling and avoid any chemical contact with eyes, skin, and clothing. Keep syringe tightly closed to avoid inhalation or accidental ingestion. Use with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in room temperature or refrigerated. Do not freeze. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store away from foodstuffs. Do not store together with strong oxidizing agent, acid material. Avoid direct sunlight. Equip with accidental release equipment in storage area. Shelf life is 18 months from the date of manufacture, provided that it is stored

properly.

Section 8: Exposure Controls/Personal Protection

8.1 Exposure Limits: Not Established.

8.2 Exposure controls

Engineering Control: General industrial Hygiene practice. Provide appropriate exhaust ventilation. Provide safe shower and eye wash fountain.

Personal protective equipment:

Respiratory Protection: Not required under normal useage. In case of insufficient ventilation, wear suitable respiratory equipment.

Eye Protection: Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection: Normal general work suit is enough. If liquid splash exists, wear chemical resistant complete suit. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hands Protection: Handle with chemical-resistant gloves. Use proper glove removal technique (without touching glove's out surface) to avoid skin contact with this product.

Other Protections: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance	Paste
Color	Colorless, transparent, black, blue
Odor	Mint
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation Rate	Not available
Flammability	Not flammable
Upper explosive limit % (V/V)	Not applicable
Lower explosive limit % (V/V)	Not applicable
Vapor Pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility(ies)	Soluble in water
Partition coefficient: n-cotanol/water	Not available
Ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

Section 10: Stability and Reactivity

10.1 Stability: Stable under normal storage temperature and pressure.

10.2 Conditions to Avoid: Heat, flames and sparks. Avoid direct sunlight.

10.3 Incompatible materials: Strong oxidizing agents, strong acid and strong base.

10.4 Hazardous Decomposition Products: Other decomposition products-no data available. In the event of fire: see section 5.

10.5 Possibility of hazardous reactions: None hazardous reactions known under normal condition.

Section 11: Toxicological Information

Acute Toxicity:

No data available.

Skin Corrosion/Irritation:

Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation:

Cause serious eye irritation

Respiratory or Skin Sensitization:

No known sensitization effects

Germ Cell Mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

None of the components of this product is listed as a carcinogen by IARC, NTP,

US OSHA or the European Directive (67/548/EEC).

Reproductive Toxicity:

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity – Single Exposure (Global Harmonized System):

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity – Repeated Exposure (Global Harmonized System):

Based on available data, the classification criteria are not met.

Aspiration Hazard:

Based on available data, the classification criteria are not met.

Potential Health Effects:**Inhalation:**

No significant effects under normal condition. Inhaling concentrated vapor may cause respiratory irritation.

Skin Contact:

May cause mild skin irritation.

Eye Contact:

Cause serious eye irritation

Ingestion:

May be harmful if ingested.

Section 12: Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Slightly hazardous to water. Avoid undiluted products flowing into sewers or water sources.

Section 13: Disposal Considerations

Waste treatment methods

Product

As in big quantity, recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

Contaminated packaging

Dispose of as unused product after empty.

Section 14: Transport Information

14.1 UN Number: ADR/RID, IMDG, IATA

Not regulated as dangerous goods.

14.2 UN proper shipping name: ADR/RID, IMDG, IATA

Not dangerous goods

14.3 Transport hazard class(es): ADR/RID, IMDG, IATA

Not regulated as dangerous goods.

14.4 Packing Group: ADR/RID, IMDG, IATA

Not regulated as dangerous goods.

14.5 Environmental Hazards:

No.

14.6 Special precautions for user

No information available

Section 15: Regulatory Information

EU Regulations

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]
Serious eye irritation (Category 2A), H319

US Regulations

TSCA Inventory Status: All of the components of this product are listed or exempt from the TSCA inventory.

SARA 302: No chemical in this material are subjected to the reporting

requirements of SARA Title III

SARA 313: This material does not contain any chemical components with known CAS number that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, section 313.

SARA 311/312 Hazards: Acute Health Hazard

Section 16: Other Information

Abbreviations:

pH- Related to hydrogen ion concentration-this value will relate to a scale of 0 – 14, where 0 is highly acidic and 14 is highly alkaline.

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology Program

IARC- International Agency for Research on Cancer

CAS#- Chemical Abstract Service Number-used to uniquely identify chemical compounds

ACGIH- The American Conference for Governmental Industrial Hygienists

ADR- Agreement on Dangerous Goods by Road

IATA- International Air Transport Association

IMDG- International Maritime Dangerous Goods

Further Information:

This Safety Data Sheet was prepared in accordance with UN GHS Rev. 6, The EU CLP REGULATION (EC) No 1272/2008 and ANSI Z400.1

For any further information, please send email to info@brightkun.com
Any emergency please call at 0086-13524372149

Issue Date: Jan 3rd, 2019

Issue by:

Technical Depart of Shanghai Bright Kun Industrial Limited.

Section 1 – Identification of the substance/ mixture and of the company/ undertaking**1.1 Product identifier**

Product Name: iSmile Remineralization Gel/Desensitizing Gel

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

Identified uses: Anti-tooth sensitivity, Remineralization Gel.

1.3 Details of the supplier of the safety data sheet

Company: Shanghai Bright Kun Industrial Limited

Telephone: (0086) 021-3778 9950

1.4 Emergency Phone Numbers:

China (00 86) 13524372149

Section 2 – Hazards Identification**2.1 Classification of the substance or mixture:****Classification according to Regulation (EC) No. 1272/2008**

Acute toxicity (oral), (Category 4), H303

Skin irritation (Category 3), H316

Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements**Labeling according Regulation (EC) No. 1272/2008**

Pictogram



Signal word

Warning / Irritant

Hazard statement(s)

H303

May be harmful if swallowed.

H316

Causes mild skin irritation.

H319

Causes serious eye irritation.

Precautionary statement(s)

P102

Keep out of reach of children.

P305+351+338

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+P314

If exposed or you feel unwell, get medical advice/attention.

Supplemental Hazard Statements

None

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 – Composition/Information on Ingredients**3.1 Substances**

Chemical Name	INCI Name	CAS	EINECS	Content
Propylene Glycol	Propylene Glycol	57-55-6	200-338-0	32.0%
Glycerol	Glycerin	56-81-5	200-289-5	30.0%

Water	Aqua	7732-18-5	231-791-2	28.199%
Potassium Nitrate	Potassium Nitrate	7757-79-1	231-818-8	3.0%
Carbomer	Carbomer	9007-17-4	-	3.0%
Carboxymethyl	Cellulose gum	9004-32-4	900-432-4	2.0%
Polyvinylpyrrolidone	PVP	9003-39-8	-	1.0%
Menthol	Menthol	89-78-1	201-939-0	0.5%
Sodium Hydroxide	Sodium Hydroxide	1310-73-2	215-185-5	0.3%
CI 42090	CI 42090	3844-45-9	223-339-8	0.001%

(Items in parenthesis relate to Regulation (EC) No. 1272/2008)

Menthol: Danger Symbol – GHS07 (Xi), GHS05 (C) Hazard Statement – H315, H318, H335 Precautionary Statement – P261, P280, P305+315+338
Potassium Nitrate: Danger symbol – GHS07 (Xi), GHS03 (O) Hazard Statement – H272 Precautionary Statement – P102, P210, P220, P280, P305+360, P371+380+375, P501
Sodium Hydroxide: Danger Symbol – GHS07 (Xi), GHS05 (C) Hazard Statement – H290, H314 Precautionary Statement – P102, P260, P280, P303+361+353, P304+340+310, P305+351+338, P361.
 See Section 16 for Hazard and Precautionary Statement Key.

Section 4 – First Aid Measures**4.1 Description of first aid measures****General advice**

Consult a physician, Show this safety data sheet to the doctor in attendance.

First Aid for Eye Immediately flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.

First Aid for Skin Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists. People with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

First Aid for Ingestion If greater than normal dose is swallowed, do not induce vomiting. Drink large quantity of water or milk. Seek medical attention.

First Aid for Inhalation Move to fresh air. If having breathing difficulty, give oxygen. Seek medical attention if discomfort persists.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5 – Firefighting Measures**5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, carbon monoxide.

5.3 Advice for firefighters

General: Evacuate all personnel. Use self-contained breathing apparatus (SCBA) and full protective clothing to prevent exposure when the product is involved in a fire.

5.4 Further information

No data available.

Section 6 – Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear appropriate personal protective equipment. Make sure area is well ventilated prior to cleanup. Place inert absorbent material onto spillage. Collect the material and place into a suitable labeled container. Mop / wipe area with soap and water.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

Section 7 – Handling and Storage**7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 – Exposure Controls / Personal Protection**8.1 Control Parameters**

No data available

8.2 Exposure controls**Appropriate engineering controls**

General exhaust is adequate under normal operating conditions.

Personal protective equipment**Eye / Face Protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand Protection

For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Respiratory Protection

Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls

Dispose of in accordance with local regulations.

Section 9 – Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

- | | | |
|----|------------|---------------------------|
| a) | Appearance | Form: gel
Colour: blue |
| b) | Odour | Minty |

c)	Odour Threshold	No data available
d)	pH	6.0~8.0 at 20°C
e)	Melting point / freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper / lower flammability or explosive limits	No data available
k)	Vapour	No data available
l)	Vapour pressure	No data available
m)	Relative density	No data available
n)	Water solubility	No data available
o)	Partition coefficient: n – octanol / water	No data available
p)	Auto – ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available

9.2 Other safety information

No data available

Section 10 – Stability and Reactivity

10.1	Reactivity	No data available
10.2	Chemical stability	Stable under normal conditions
10.3	Possibility of hazardous reactions	No data available
10.4	Conditions to avoid	Heat, incompatible materials, and sunlight
10.5	Incompatible materials	Keep away from combustible liquids; strong acids / bases
10.6	Hazardous decomposition products:	Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available In the event of fire: see section 5

Section 11 – Toxicological Information

11.1	Information on toxicological effects	
	Acute toxicity	No data available
	Chronic toxicity	No data available
	Chronic effects	No data available
	Skin corrosion / irritation	No data available
	Serious eye damage / eye irritation	No data available
	Respiratory or skin sensitization	No data available
	Germ cell mutagenicity	No data available
	Carcinogenicity	IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	Reproductive toxicity	No data available
	Specific target organ toxicity - single exposure	No data available
	Specific target organ toxicity - repeated exposure	No data available
	Aspiration hazard	No data available

Section 12 – Ecological Information

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects	No data available

Section 13 – Disposal Considerations

13.1 Waste treatment methods	
Contaminated Packaging	Dispose of as unused product.
Disposal Methods	Offer surplus and non-recyclable solutions to a licensed disposal company.

Section 14 – Transport Information

14.1 UN number	ADR / RID: Not data available	IMDG: Not data available	IATA: Not data available
14.2 UN proper shipping name	ADR / RID: None	IMDG: None	IATA: None
14.3 Transport hazard class(es)	ADR / RID: None	IMDG: None	IATA: None
14.4 Packaging group	ADR / RID: None	IMDG: None	IATA: None
14.5 Environmental hazards	ADR / RID: no	IMDG Marine pollutant: no	IATA: no
14.6 Special Precautions for user	NO data available		

Section 15 – Regulatory Information**15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following HAP's or ODS: <ul style="list-style-type: none"> None
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: <ul style="list-style-type: none"> None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: <ul style="list-style-type: none"> None
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). <ul style="list-style-type: none"> None
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.

SARA Title III: Section 302 (TPQ)	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): <ul style="list-style-type: none"> • None
SARA Title III: Section 311-312:	This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). It's hazards are: <ul style="list-style-type: none"> • None
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: <ul style="list-style-type: none"> • None
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule:	This product does contain chemicals listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements. <ul style="list-style-type: none"> • None None of the chemicals in this material have a SNUR under TSCA.

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	<ul style="list-style-type: none"> • None
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15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

Section 16 – Other Information**Full text of H-Statements referred to under sections 2 and 3:**

(items in parenthesis relate to Regulation (EC) No. 1272/2008)

Danger Symbols:

GHS07 (Xi) – Warning / Irritant.

Hazard Statement:

H272, May intensify fire; oxidizer.

H290, May be corrosive to metals.

H303, May be harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H316, Causes mild skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

Precautionary Statement:

P102, Keep out of reach of children.

P210, Keep away from heat/sparks/open flames/ hot surfaces – no smoking.

P220, Keep/store away from clothing/combustible materials.

P260, Do not breathing dust/fume/gas mist/vapor sprays.

P261, Avoid breathing dust/fume/gas mist/vapor sprays.

P280, Wear protective gloves/clothing/eye protection/face protection.

P303+361+353, Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340+310, Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/ doctor.

P305+351+338, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P305+360, If on clothing, rinse immediately contaminated clothing and skin with plenty of water before removing clothing.

P371+380+375, In case of major fire and large quantities, evacuate area, fight fire remotely due to risk of explosion.

P309+314, If exposed or you feel unwell, get medical advice/attention.

P361, Remove/ Take off immediately all contaminated clothing.

P501, Dispose of contents / container properly.

Prepared by

Nanchang Dental Bright Technology Co., Ltd.

Reason for Version

According to Regulation (EC) No. 1907/2006.

Training advice

Do not handle until safety precautions have been read and understood.

Further information

The information presented herein was obtained from sources considered to be reliable. However, this information is provided without any warranty, expressed or implied, regarding its correctness or suitability for consumers intended use and/or application. For this and other reasons, we assume no responsibility and expressly disclaim liability for loss, damage or expense arising out of any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared expressly for this product. Use the materials only as directed. If the product is used as a component of another product, the information contained within the MSDS may not be applicable.

The components are provided on an as is basis without warranties of any kind either expressed or implied. It does not warrant the use or the results of use of the materials sold on an as is basis since they are intended for remanufacturing or repackaging. It is the sole responsibility of the user to examine and determine appropriate application and regulatory requirements associated with said the components.

SAFETY DATA SHEET

Date of issue 01-01-2024

Canada/English

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Li-MnO₂ Button Cell CR2025

Rating 3.0V 160mAh

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended Use Lithium Metal Battery

Uses advised against No information available

Details of the supplier of the safety data sheet

Initial supplier identifier CHANGZHOU JINTAN CHAOCHUANG BATTERY CO.,LTD

Address XIYANG VILLAGE MAOLU TOWN JINTAN CHANGZHOU JIANGSU

Telephone 86-519-82483588

E-mail boss@chaochuang.com

Emergency telephone number

Company Emergency Phone Number 86-519-82483588

2. HAZARDS IDENTIFICATION

Classification

This is a battery. In case of rupture:

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1

GHS Label elements, including precautionary statements

Danger

Hazard statements

This is a battery. In case of rupture:.

- Causes skin irritation
- Causes serious eye irritation
- Suspected of causing cancer
- Causes damage to organs through prolonged or repeated exposure



Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see supplemental first aid instructions on this label)

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Skin

IF ON SKIN: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Very toxic to aquatic life with long lasting effects

Unknown acute toxicity 30.9 % of the mixture consists of ingredient(s) of unknown toxicity

30.9 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

30.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS-No	Percent (%)	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Stainless Steel	12597-68-1	57.29	-	-
Polypropylene	9003-07-0	2.88	-	-
Manganese dioxide	1313-13-9	26.04	-	-
Lithium Sheet	7439-93-2	1.67	-	-
Lithium Perchlorate	7791-03-9	5.54	-	-
Teflon	9002-84-0	1.79	-	-
Graphite	7782-42-5	1.79	-	-
Propylene Carbonate	108-32-7	3.00	-	-

4. FIRST AID MEASURES

First aid measures

General advice	First aid is upon rupture of sealed battery. IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.
Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	No information available.
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling In case of rupture: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	If splashes are likely to occur, wear safety glasses with side-shields.
Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Solid
Appearance	No information available
Odor	No information available
Color	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	No data available	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water Solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	0	
Autoignition temperature	No data available	None known
Decomposition temperature	None known	
Kinematic viscosity	None known	
Dynamic viscosity	None known	
Explosive properties	No information available.	
Oxidizing properties	No information available.	

Other Information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information In case of rupture:
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). Irritating to eyes.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms	Redness. May cause redness and tearing of the eyes.
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Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	12,452.00 mg/kg
ATEmix (dermal)	9,132.00 mg/kg

Unknown acute toxicity	30.9 % of the mixture consists of ingredient(s) of unknown toxicity
	30.9 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	30.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
----------------------------------	---

Serious eye damage/eye irritation	Classification based on data available for ingredients. Irritating to eyes.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	Classification based on data available for ingredients. Contains a known or suspected carcinogen.

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Persistence and Degradability No information available.

Bioaccumulation

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

Note: The transportation of primary lithium cells and batteries is regulated by the International Civil Aviation Organization, International Air Transport Association, International Maritime Dangerous Goods Code and the US Department of Transportation. The batteries must meet the following criteria for shipment: 1. Air shipments must meet the requirements listed in Special Provision A45 of the International Air Transport Association Dangerous

Goods Regulations. 2. Meet the requirements for the US Department of Transportation listed in 49 CFR 173.185. 3. The transport of primary lithium batteries is prohibited aboard passenger aircraft. Refer to the Federal Register December 15, 2004 (Hazardous Materials; Prohibited on the Transportation of Primary Lithium Batteries and Cells Aboard Passenger Aircraft; Final Rule)

Lithium batteries shipped as "Lithium batteries", "Lithium batteries packed with equipment", or "Lithium batteries contained in equipment" may not be classified as "Dangerous Goods" when shipped in accordance with "special provision A45 of IATA-DGR" or "special provision 188 of IMO-IMDG Code"

TDG Not regulated

DOT NOT REGULATED
Proper Shipping Name NON-REGULATED
Hazard Class N/A
Emergency Response Guide Number 147

MEX Not regulated

ICAO Not regulated

IATA Regulated
Proper Shipping Name Lithium ion batteries or Lithium ion batteries packed with equipment or Lithium ion batteries contained in equipment
Hazard Class Class 9

IMDG/IMO Lithium ion batteries or Lithium ion batteries packed with equipment or Lithium ion batteries contained in equipment
Hazard Class N/A
EmS-No. F-A, S-I

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

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

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

TSCA Contact supplier for inventory compliance status.

DSL/NDSL Contact supplier for inventory compliance status.

EINECS/ELINCS Contact supplier for inventory compliance status.

ENCS Contact supplier for inventory compliance status.

KECL Contact supplier for inventory compliance status.

PICCS Contact supplier for inventory compliance status.

AICS Contact supplier for inventory compliance status.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal Protection X

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Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet

Inhalation Statement	dust
Not Hazardous	This is a battery. In case of rupture:
Hazard statements	Causes damage to organs through prolonged or repeated exposure
Signal word	Danger
Precautionary Statements	P302 + P352 - IF ON SKIN: Wash with plenty of water and soap P321 - Specific treatment (see supplemental first aid instructions on this label) P332 + P313 - If skin irritation occurs: Get medical advice/attention P362 + P364 - Take off contaminated clothing and wash it before reuse P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or concerned: Get medical advice/attention P405 - Store locked up P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash face, hands and any exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P314 - Get medical advice/attention if you feel unwell P501 - Dispose of contents/ container to an approved waste disposal plant
Signal word	Danger
Skin corrosion/irritation	Category 2
Hazard statements	Causes skin irritation
Signal word	Warning
Serious eye damage/eye irritation	Category 2A
Hazard statements	Causes serious eye irritation
Signal word	Warning
Carcinogenicity	Category 2
Hazard statements	Suspected of causing cancer
Signal word	Warning
Specific target organ toxicity (repeated exposure)	Category 1
Skin corrosion/irritation	- (H315)
Serious eye damage/eye irritation	- (H319)
Carcinogenicity	- (H351)
STOT - repeated exposure	- (H372)

STOT - repeated exposure



Graphic



Graphic



Graphic



Hazard statements

Causes skin irritation Causes serious eye irritation Suspected of causing cancer Causes damage to organs through prolonged or repeated exposure

Hazard statements

H315 - Causes skin irritation H319 - Causes serious eye irritation H351 - Suspected of causing cancer H351 - Suspected of causing cancer H372 - Causes damage to organs through prolonged or repeated exposure H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary Statements - EU (§28, 1272/2008)

P103 - Read label before use P280 - Wear face protection P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish P234 - Keep only in original container P303 - IF ON SKIN (or hair):

Precautionary Statements

IF ON SKIN: Wash with plenty of water and soap IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention If skin irritation occurs: Get medical advice/attention Take off contaminated clothing And wash it before reuse Take off contaminated clothing and wash it before reuse Take off contaminated clothing and wash it before reuse IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention If eye irritation persists: Get medical advice/attention Obtain special instructions before use Obtain special instructions before use Do not handle until all safety precautions have been read and understood Do not handle until all safety precautions have been read and understood Wear protective gloves Wear protective gloves IF exposed or concerned: Get medical advice/attention IF exposed or concerned: Get medical advice/attention Store locked up Do not breathe dust/fume/gas/mist/vapors/spray Do not breathe dust/fume/gas/mist/vapors/spray Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product Do not eat, drink or smoke when using this product Get medical advice/attention if you feel unwell Get medical advice/attention if you feel unwell

Skin

IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse

Precautionary Statements

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap P321 - Specific treatment (see supplemental first aid instructions on this label) P332 + P313 - If skin irritation occurs: Get medical advice/attention P362 + P364 - Take off contaminated clothing and wash it before reuse P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear protective gloves/protective clothing/eye protection/face protection P308 + P313 - IF exposed or concerned: Get medical advice/attention P405 - Store locked up P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash face, hands and any exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P314 - Get medical

	advice/attention if you feel unwell P501 - Dispose of contents/ container to an approved waste disposal plant
Precautionary Statements - Prevention	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eye protection/face protection Wash face, hands and any exposed skin thoroughly after handling Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product
Precautionary Statements - Response	IF exposed or concerned: Get medical advice/attention Specific treatment (see supplemental first aid instructions on this label)
Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
Skin	IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse
Precautionary Statements - Storage	Store locked up
Precautionary Statements - Disposal	Dispose of contents/container to an approved waste disposal plant
The following values are calculated based on chapter 3.1 of the GHS document	
ATEmix (oral)	12,452.00
Units	mg/kg
ATEmix (dermal)	9,132.00
Units	mg/kg
Contains Carbon black, Phosphate(1-), hexafluoro-, lithium	
Unknown acute toxicity	90.77 % of the mixture consists of component(s) of unknown hazards to the aquatic environment
Unknown Acute Aquatic Toxicity	90.77
Unknown Chronic Aquatic Toxicity	90.77
Product ATE Oral Status	1
Product ATE Dermal Status	1
Product ATE Inhalation - Gas Status	1
Product ATE Inhalation - Vapor Status	1
Product ATE Inhalation - Dust/Mist Status	1
Product Skin Corrosion Status	1
Product Eye Damage Status	1
Product Respiratory Sens. Status	1
Product Skin Sensitization Status	1
Product Mutagenic Status	1
Product Carcinogenic Status	1
Product Reproductive Toxicity Status	1
Product STOT Single Status	1
Product STOT Repeated Status	1
Product Aquatic Toxicity Status	1
Product Aspiration Toxicity Status	1
Product Ozone Status	1
Product and Component Overall	1
Classification Status	
STOT - repeated exposure	- (H372)
Unknown acute toxicity	30.9 % of the mixture consists of ingredient(s) of unknown toxicity
	30.9 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	30.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)
Symbols/Pictograms	
Symbols/Pictograms	
Other hazards	Very toxic to aquatic life with long lasting effects
Health hazards	Skull and Crossbones
Health hazards	Exclamation mark
Inhalation Statement	dust
Health hazards	1