

Section 1 – Identification**Product Name:** Teeth Whitening System**Manufacturer:** Nanchang Dental Bright Technology Co., LtdBuilding 182, Nanchang Jiahai Industrial Park, No.2799
Tianxiang Blvd, Gaoxin Dist., Nanchang, Jiangxi Prov.,
China 330096**Active Ingredient:** Carbamide Peroxide 44%**Information Contacts:** (0086) 791 88252982**Emergency Phone Numbers:**

China (00 86) 17779115983

Family: Teeth Whitening Gel**Product Use:** Professional Dental Whitening Gel**Section 2 – Hazards Identification****EMERGENCY OVERVIEW**

This information is based on findings from related or similar materials.

- Will cause eye irritation.
- May cause skin irritation (depending on duration of exposure).
- Prolong exposure may cause respiratory system irritation or burns.
- Ingestion of large amounts may cause nausea, vomiting, headaches, or dizziness.
- Weak Oxidizer that is stable under normal conditions.

**Potential Health Effects, Signs and Symptoms of Exposure:****Primary Route of Entry** Inhalation, skin, and ingestion.**Eye** Splashes will cause redness / burning sensation of the eye. Possible corneal injury.**Skin** Repeated/prolonged contact may cause irritation of the skin. Symptoms include redness, burning, or itching.**Ingestion** Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts is harmful. Symptoms include irritation of the throat, nausea, dizziness, and upset stomach.**Inhalation** If fine gel is inhaled, irritation / burning of the respiratory tract will occur.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 – Composition/Information on Ingredients

Chemical Name	INCI Name	CAS	EINECS	Content
Carbamide peroxide	Urea peroxide	124-43-6	204-701-4	44%
Glycerol	Glycerin	56-81-5	200-289-5	20%
Deionized Water	water	7732-18-5	231-791-2	15.2%
Propylene Glycol	Propylene Glycol	57-55-6	200-338-0	14%
Carbomer	Carbomer	9007-17-4	-	3%
Carboxymethyl	Cellulose gum	9004-32-4	900-432-4	2%
Polyvinylpyrrolidone	PVP	9003-39-8	-	1%
Menthol	Menthol	89-78-1	201-939-0	0.5%
Sodium Hydroxide	Sodium Hydroxide	1310-73-2	215-185-5	0.3%

(items in parenthesis relate to 1999/45/EC)

Menthol: Danger Symbol – GHS07 (Xi)

Hazard Statement – H315 (R38), H319 (R36)

Precautionary Statement – P404 (S7), P403+ 235 (S3/9)

Carbamide Peroxide: Danger symbol – GHS03 (O), GHS07 (Xi) Hazard Statement – H272(N/A), H314 (R34) Precautionary Statement –P102 (S2), P210 (S16), P220 (S17), P280 (S36/37/39), P305+351+338 (N/A).

Sodium Hydroxide: Danger Symbol – GHS07 (Xi), GHS05 (C) Hazard Statement –H290 (N/A), H314 (R34) Precautionary Statement – P102 (S2), P260 (S23), P280 (S36/37/39), P303+361+353(N/A), P304+340+310 (N/A), P305+351+338 (N/A), P361 (S27)

See Section 16 for Hazard and Precautionary Statement Key.

Section 4 – First Aid Measures

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.

Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
N/A	N/A	N/A

Method:

Extinguishing Media: Water spray may be used to extinguish surrounding fire and cool exposed containers. Water spray may also reduce fumes and irritating gases.

Fire Fighting Instructions: 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.

Unusual Hazards: Under fire conditions this product may emit toxic and / or irritating fumes and gases which aid combustion.

Section 6 – Accidental Release Measures

Spill or Release Procedures Minor spills – Clean up immediately, and wear appropriate personal protective equipment and clothing to minimize exposure. Place inert absorbent material onto spillage. Collect the material and place into a suitable labeled container. Clean contaminated area with soap and water. Major spills – Clear area of personnel. Restrict access to area. 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. Do not allow spill to reach waterway, drains, and sewers. See section 8 & section 12.

Section 7 – Handling and Storage

Handling Limit all unnecessary personal contact; avoid accidental contact; wear appropriate PPE.

Storage Store in a cool, well ventilated area away from heat, sparks and flame. Keep containers closed when not in use. Keep in original container provided by manufacturer. Avoid sunlight. Store according to local legislation. Ideally, keep refrigerated.

Explosion Hazard None.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls General exhaust is adequate under normal operating conditions.

Personal Protective Equipment

General To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.

Eye/ Face Protection Operator should wear safety glasses with side shields or chemical goggle. Ensure eye bath is on hand.

Skin Protection Operator should use impermeable clothing to prevent ANY skin contact with this product, such as gloves, apron, boots, or cotton overalls.

Respiratory Protection In case of insufficient ventilation (lack of engineering controls), wear suitable respiratory equipment.

Section 9 – Physical and Chemical Properties

Appearance Gel	Odor & Odor Threshold Minty	pH 4~6	Specific Gravity (H ₂ O = 1): 0.96	Viscosity N/A	% Volatile N/A		
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flash Point (°F/°C) N/A		Flammable Limit (vol%) N/A		Auto-ignition Temperature (vol%) N/A			

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions	Incompatibility (Materials to Avoid): Keep away from combustible liquids; strong acids / bases
Hazardous Decomposition Products: Release of toxic / irritating fumes which are capable of supporting combustion	Hazardous Polymerization: Will not occur
Conditions to Avoid: Heat, incompatible materials, and sunlight	

Section 11 – Toxicological Information

Acute Oral Toxicity N/DA	Acute Dermal Toxicity N/DA	Acute Inhalation Toxicity N/DA	Irritation – skin N/DA	Irritation – Eye N/DA
Sensitization N/DA		Mutagenicity N/DA	Sub-chronic Toxicity N/DA	

Section 12 – Ecological Information**Ecotoxicological Information**

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
N/DA	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	N/DA
Chemical Oxygen Demand	N/DA

Section 13 – Disposal Considerations

Dispose of in compliance with governmental regulation (state and federal). Repeatedly rinse empty containers with water before disposing in landfill.

Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	Non-regulated material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
Emergency Response Guidebook (ERG) #:	
IATA (DGR):	Non-regulated material
Proper Shipping Name:	N/A
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	N/A
Emergency Response Guidance (ICAO)#:	
IMO (IMDG):	Non-regulated material
Proper Shipping Name:	N/A

Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	N/A
Emergency Schedule (EmS)#:	
Other Information:	N/A

Section 15 – Regulatory Information



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"> • Carbamide Peroxide CAS #124-43-6 (Oxidizer) • Sodium Hydroxide CAS #1301-73-2: (Skin, Eye, Inhalation Irritant)
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"> • Carbamide Peroxide CAS #124-43-6 (Oxidizer) • Sodium Hydroxide CAS #1301-73-2: (Skin, Eye, Inhalation Irritant)
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"> • Carbamide Peroxide CAS #124-43-6: (Oxidizer) • Sodium Hydroxide CAS #1301-73-2: (Skin, Eye, Inhalation Irritant) 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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Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)

European Community:  	For Peroxide Teeth Whitening Gel (finished product): <ul style="list-style-type: none"> • DANGER SYMBOLS: GHS07 (Xi) – <i>Warning / Irritant</i> • HAZARD STATEMENT: H316 (N/A), Causes mild skin irritation. H319 (R36), Causes serious eye irritation. H335 (R37), May cause respiratory irritation. H303 (N/A), May be harmful if swallowed. • PRECAUTIONARY STATEMENT: P102 (S2), Keep out of reach of children. P261(S24), Avoid breathing dust/fume/gas mist/vapor sprays. P280 (S36/37/39), Wear protective gloves/clothing/eye protection/face protection. P309+314 (S45), If exposed or you feel unwell, get medical advice/attention.
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Section 16 – Other Information

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

(items in parenthesis relate to 1999/45/EC)

Danger Symbols:

GHS07 (Xi) – Warning / Irritant. GHS03 (O) – Oxidizer. GHS05 (C) – Corrosive

Hazard Statement:

H271 (R9) – May cause fire or explosion; strong oxidizer. **H272(N/A)** – May intensify fire; oxidizer. **H290** – May be corrosive to metals. **H301 (R25)**, Toxic if swallowed. **H302 (R22)**, Harmful if swallowed. **H303 (N/A)**, May be harmful if swallowed. **H314 (R34)**, Causes severe skin burns and eye damage. **H315 (R38)**, Causes skin irritation. **H316 (N/A)**, Causes mild skin irritation. **H318 (R41)** Causes serious eye damage. **H319 (R36)**, Causes serious eye irritation. **H332 (R20)**, Harmful if inhaled.

Precautionary Statement:

P102 (S2), Keep out of reach of children. **P210 (S16)**, Keep away from heat/sparks/open flames/ hot surfaces – no smoking. **P220 (S17)**, Keep/store away from clothing/combustible materials. **P221 (S50)**, Take any precaution to avoid mixing with combustibles. **P260 (S23)**, Do not breathe dust/fume/gas/mist/vapors/spray. **P261 (S24)**, Avoid breathing dust/fume/gas mist/vapor sprays. **P262 (S25)**, Do not get in eyes, on skin, or on clothing. **P280 (S36/37/39)**, Wear protective gloves/clothing/eye protection/face protection. **P283 (S36/37/39)**, Wear fire resistant / retardant clothing. **P301+315 (S46)**, If swallowed, get immediate medical advice / attention. **P303+361+353(N/A)**, Take off immediately all contaminated clothing. Rinse skin with water/shower. **P304+340+310 (N/A)**, Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/ doctor. **P305+351+338 (N/A)**, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P309+314 (S45)**, If exposed or you feel unwell, get medical advice/attention. **P305+360 (S27)**, If on clothing, rinse immediately contaminated clothing and skin with plenty of water before removing clothing. **P361 (S27)**, Remove/ Take off immediately all contaminated clothing. **P370+378 (S43)**, In case of fire, use water for extinction. **P371+380+375, (N/A)**, In case of major fire and large quantities, evacuate area, fight fire remotely due to risk of explosion. **P403+235 (S3/9)**, Store in a well ventilated place. Keep cool. **P404 (S7)**, Store in a closed container. **P501 (S56)**, Dispose of contents / container properly.

Hazard Rating System (Pictograms)

NFPA:

HMIS:

The diagram shows the NFPA hazard diamond and the HMIS pictogram. The NFPA diamond has three colored sections: a red top section with the number 1, a blue left section with the number 1, and a yellow right section with the number 1. Arrows point from the labels 'Health', 'Flammability', and 'Reactivity' to their respective sections. The HMIS pictogram consists of three stacked horizontal bars: a blue top bar with a white circle and the word 'Health', a red middle bar with a white circle and the word 'Flammability', and a yellow bottom bar with a white circle and the word 'Reactivity'. A small number '1' is positioned above the top bar.

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