

Safety Data Sheet

According to Regulation (EC) No 1272/2008

Revision 0: 19/09/2022

SECTION 1. PRODUCT/ MIXTURE AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product name	Blancone ULTRA+
Other means of identification	Not Available

1.2 Details of the supplier of the safety data sheet

Manufacturer/Supplier	IDS S.p.A.
Address	Via S. Cristoforo 28/10 17100 Savona (SV) ITALY
Telephone	+39 019 862080
Fax	+39 019 2304865
Website	www.ids dental.it
Email	info@ids dental.it
Emergency Telephone	+30 210 2824437

1.3 Description of the Product

Blancone ULTRA+ is a Hydrogen Peroxide gel and it will be used for tooth whitening in office by dentist.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments.

DPD classification [1]

Classification according to regulation (EC) No 1272/2008 [CLP]	Acute Toxicity, Category 4, Oral, H302 Serious Eye Damage Category 1, H318 Skin Irritation, Category 2 Specific Target organ toxicity, Category 4, Classification drawn from EC Directive 1272/2008 - Annex VI
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[1]

2.2 Label element(s)

CLP label element
Pictogram GHS07



SIGNAL WORD

DANGER

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Hazard statement(s)

H319 H315	Causes serious irritation on eye and skin
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
H302	Harmful if swallowed

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

P280	Wear protective gloves/protecting clothing/eye protection/face protection
P260	Do not breathe mist, vapors or spray
P273	Avoid release to the environment
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P220	Keep/Store away from clothing/flammable materials/combustibles
P221	Take any precaution to avoid mixing with combustibles/flammables

Precautionary statement(s) Response

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P363	Wash contaminated clothing before reuse
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P370+P378	In case of fire: Use water for extinction

Precautionary statement(s) Storage

Keep container in a cool place out of direct sunlight. Store only in vented containers. Do not store on wooden pallets. Do not return unused material to its original container. Avoid contamination - Contamination could cause decomposition and generation of oxygen which may result in high pressure and possible container rupture. Empty drums should be triple rinsed with water before discarding

P273	Avoid release to the environment
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Precautionary statement(s) Disposal

P501	Dispose of in compliance with governmental regulation. (EC1975L0442-10/11/2003)
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2.3 Other hazards

None Known

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Description

Opaque gel, White

3.1 Substances

Not applicable, this product is a mixture

3.2 Mixtures/ Chemical characterization

CAS No	EC No	Description	% w/w	Classification according to Regulation EC No 1272/2008 (GLP)
7722-84-1		Hydrogen Peroxide	C < 40	Acute Toxicity, Category 4, Oral, H302 Serious Eye Damage Category 1, H318 Skin Irritation, Category 2 Specific Target organ toxicity, Category 4, H413 Oxidizing liquids, Category 2
N/A	N/A	Ingredients determined to be Non-Hazardous	< 60.00	N/A

For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4. FIRST AID MEASURES

General information

The intended use is for application for the patient at dental office by a dentist. If poisoning occurs, contact the local Poisons Information Centre

Inhalation

Hazardous components

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing labored and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

Skin contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

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Eye contact

Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical center.

After swallowing

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call Poisons Centre or Doctor.

Notes to physician

Treat symptomatically. Can cause corneal burns.

SECTION 5. FIREFIGHTING MEASURES

Hazchem Code: 2P

Suitable extinguishing agents

Water spray. Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents

Water with full jet, CO₂

Protective equipment

No special measures.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions

Wear protective equipment. Keep unprotected persons away. Dilute with plenty of water.

Measures for cleaning/collecting

Absorb with inert binding material (sand, diatomite, acid binders, universal binders, sawdust).

Measures for environmental protection (see section 12)

Dispose contaminated material as waste according to item 13.

SECTION 7. HANDLING AND STORAGE

Handling

Safe Handling

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- DO NOT enter confined spaces until atmosphere has been checked.
- DO NOT allow material to contact humans, exposed food or food utensils.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.
- Keep containers securely sealed when not in use.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling.
- Work clothes should be laundered separately. Launder contaminated clothing before re-use.
- Use good occupational work practice.
- Observe manufacturer's storage and handling recommendations contained within this SDS.
- Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

Information about fire - and explosion protection

Ensure good ventilation/exhaustion at the workplace. No special measures required.

Storage

Requirements to be met by storerooms and receptacles

Store in dry and well-ventilated area at 5°C to 25°C. Avoid the direct contact with light and heat

Information about storage in one common storage facility

- Store away from flammable substances.
- Store away from reducing agents.
- Store away from metals.

Further information about storage conditions

- Keep receptacle tightly sealed.
- Protect from heat and direct sunlight.
- Store in a cool place.
- Heat will increase pressure and may lead to the receptacle bursting.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

General protective measures

Avoid contact with eyes and skin

Hygienic measures

Immediately remove all soiled and contaminated clothing

8.1 Control parameters			
Exposure Guidelines			
Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide	TWA: 1 ppm	(Vacated) TWA: 1 ppm (Vacated) TWA: 1.4 mg/m3 TWA: 1 ppm TWA: 1.4 mg/m3	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m3

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately

Dangerous to Life or Health

* **TLV – Threshold Limit Value** (should not be exceeded at any time) / **REL – Recommended Exposure Limit** (should not be exceeded at any time) / **PEL – Permissible Exposure Limit** (averaged over an 8-hour workshift)

8.2. Personal Protective Equipment (PPE) Information

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: S36/37: Wear suitable protective clothing and gloves.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respiratory: S38: In case of insufficient ventilation, wear suitable respiratory equipment.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Blancone ULTRA+ Gel

Form: Gel

Odour: Characteristic

	Value	Temperature
pH-value	Before Mixing 0.70-1.30 After Mixing 6.00-7.20	
Boiling point	@ 760 mmHg 114 °C / 237.2 °F	
Vapour pressure	2.4 kPa	30°C
Density	1.150-1.350 g/cm ³	25°C
Solubility in water	Miscible	
Decomposition Temperature	> 125°C	

SECTION 10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions. Oxidizer: Contact with combustible/organic material may cause fire.

Conditions to Avoid

Excess heat. Incompatible products. Combustible material

Incompatible Materials

Acids, Strong oxidizing agents, Alcohols, Alkaline, Ammonia, Organic materials, Sulfides, Cyanides, lead oxides, Lead, Acetone, Acid anhydrides, Metals, copper, Reducing Agent, Finely powdered metals, Strong reducing agents, Combustible material

Dangerous reactions

Reacts with various metals

Reacts with reducing agents Reacts with catalysts

Acts as an oxidizing agent on organic materials such as wood, paper and fats

Hazardous decomposition products

Decomposition by combustion, may release oxides of carbon and nitrogen.

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Oral LD50	Category 4. ATE = 300 - 2000 mg/kg
Dermal LD50	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg
Vapor LC50	Category 4. ATE = 10 - 20 mg/l. Based on ATE data, the classification criteria are not met. ATE > 20 mg/l

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen peroxide	376 mg/kg (Rat) (90%) 910 mg/kg (Rat) (20-60%) 1518 mg/kg (Rat) (8-20% sol)	>2000 mg/kg (Rabbit)	LC50 = 2000 mg/m ³ (Rat) 4 h

Toxicologically Synergistic Products: **No information available**

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

Irritation	Causes burns by all exposure routes
Sensitization	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	CAS-No	IARC	NTP	ACGIH	OSHA
Hydrogen peroxide	7722-84-1	Not listed	Not listed	A3	Not listed
Disodium EDTA	6381-92-6	Not listed	Not listed	Not listed	Not listed
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

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Mutagenic Effects	Mutagenic effects have occurred in experimental animals.
Reproductive Effects	No information available
Developmental Effects	No information available
Teratogenicity	No information available
STOT - single exposure STOT - repeated exposure	Respiratory system Central nervous system (CNS) None known
Aspiration hazard	No information available
Symptoms / effects, both acute and delayed	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation
Endocrine Disruptor Information	No information available

SECTION 12. ECOLOGICAL/ENVIRONMENTAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Contains a substance which is: Harmful to aquatic organisms.

The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Hydrogen peroxide	EC50 2.5 mg/L/72h	LC50: 16.4 mg/L/96h (P.promelas)	Not listed	EC50 7.7 mg/L/24h

Persistence and Degradability	Soluble in water Persistence is unlikely based on information available. Miscible with water. Readily biodegradable
Bioaccumulation/ Accumulation	Bioaccumulation is unlikely
Mobility	Will likely be mobile in the environment due to its water solubility

SECTION 13. DISPOSAL CONSIDERATIONS

Product	Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with governmental regulation. (EC 1975L0442-20/11/2003).
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Uncleaned packaging	Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning. <u>Recommended cleansing agents:</u> Water, if necessary together with cleansing agents.
Waste treatment options	Not Available
Sewage disposal options	Not Available

SECTION 14. TRANSPORT INFORMATION

DOT

UN-No	UN2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
Hazard Class	5.1
Subsidiary Hazard Class	8
Packing Group	II

TDG

UN-No	UN2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
Hazard Class	5.1
Subsidiary Hazard Class	8
Packing Group	II

IATA

UN-No	UN2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
Hazard Class	5.1
Subsidiary Hazard Class	8
Packing Group	II
Special precautions for user	Cargo aircraft only: 5Lt Total Maximum net quantity per individual inner packaging: 1.0 ml Maximum quantity of individual inner packs: 5,000 pieces

IMDG/IMO

UN-No	UN2014
Proper Shipping Name	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
Hazard Class	5.1
Subsidiary Hazard Class	8
Packing Group	II

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SECTION 15. REGULATORY INFORMATION

United States of America Inventory

Component	CAS-No	TSCA	TSCA Inventory notification - Active/Inactive	TSCA - EPA Regulatory Flags
Hydrogen peroxide	7722-84-1	X	ACTIVE	-

TSCA - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Australia (AICS), China (IECSC), Korea (ECL).

Component	CAS-No	DSL	NDSL	EINECS	PICCS	ENCS	AICS	IECSC	KECL
Hydrogen peroxide	7722-84-1	X	-	231-765-0	X	X	X	X	KE-20204

SECTION 16. OTHER INFORMATION

16.1 Full text Hazard (H) (not classification of ready mixed product)

H-phrases

H225	Highly flammable liquid and vapour
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidizer.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.