

# SAFETY DATA SHEET



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## BEYOND® Whitening Gel for BEYOND® Five-Patient Economy Kit and BEYOND® Complete Professional Kit

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

#### 1.1 PRODUCT IDENTIFIER

**PRODUCT NAME:** BEYOND® Whitening Gel for BEYOND® Five-Patient Economy Kit (BY-PD205) and BEYOND® Complete Professional Kit (BY-PD202)

**PRODUCT DESCRIPTION:** 35% hydrogen peroxide dental whitening gel

#### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

**Relevant identified uses:** Professional dental teeth whitening gel mixture.

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

##### MANUFACTURER

BEYOND® International, Incorporated USA

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#### 1.4 EMERGENCY TELEPHONE NUMBER

**Questions?** Call +1-855-956-6668 M-F 9:00 a.m. – 5:30 p.m. CST

**Online:** [www.beyonddent.com](http://www.beyonddent.com)

### 2. HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**CLASSIFICATION ACCORDING TO (EC) No 1272/2008:** The mixture has been assessed according and/or tested for its physical, health, and environmental hazards.

#### 2.2 LABEL ELEMENTS



**Signal Word:** Warning

**Hazard Statements:** H315 – Causes skin irritation | H319 – Causes serious eye irritation | H303 – May be harmful if swallowed.

**Precautionary Statements:** P280 – Wear protective gloves/protective clothing/eye protection/face protection.

**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.
- P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
- P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P332 + P313: If skin irritation occurs: Get medical advice/attention.

**Storage:** P273: Avoid release to the environment.

**Disposal:** P501: Dispose of contents/container according to governmental regulation.

### 2.3 OTHER HAZARDS

Not applicable.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES

#### Whitening gel component

Chemical Name	CAS	EINECS	Classification	% by Weight
Hydrogen peroxide	7722-84-1	231-765-0	GHS03/GHS05/GHS07 H271/H302/H314/H332 Ox. Liq 1 – Acute tox. 4 – Skin corr. 1A – Acute tox. 4	~35.0%
De-ionized water	7732-18-5	231-791-2	-	~35.0%
Propylene glycol	57-55-6	203-539-1	-	~24.0%
Stabilizer	Citric acid	77-92-9	201-069-1	~1.75%
	Acetanilide	103-84-4	203-150-7	
	Disodium edetate dihydrate	6381-92-6	205-358-3	
Carbomer	9003-01-4	618-435-5	-	~2.0%
Trolamine	102-71-6	203-049-8	-	~1.25%
50% Sodium hydroxide	1310-73-2	215-185-5	GHS05 H314/H319 Skin Irr. Cat. 2; Eye Irr. Cat. 2	<1.0%

#### Activating agent

Chemical Name	CAS	EINECS	Classification	% by Weight
De-ionized water	7732-18-5	231-791-2	-	~70.0%
Propylene glycol	57-55-6	203-539-1	-	~20.0%
Glycerin	56-81-5	200-289-5	-	~7.0%
Carbomer	9003-01-4	618-435-5	-	~1.0%
30% Sodium hydroxide	1310-73-2	215-185-5	GHS05 H314/H319 Skin Irr. Cat. 2; Eye Irr. Cat. 2	~1.0%
Sodium benzoate	532-32-1	208-534-8	-	<1.0%

(Full text of GHS and H-sentences and other can be found under heading 16)

### 3.2 MIXTURES

Not applicable.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**EYES:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

**SKIN:** Remove contaminated clothing. Wash with soap and water. Apply petroleum jelly. Get medical attention if irritation develops or persists.

**INGESTION:** Give large volumes of water. Do not induce vomiting. Consult a physician if ingested in large amounts.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

**EYES:** Can cause severe eye irritation.

**SKIN:** May cause slight irritation.

**INGESTION:** May be harmful if swallowed in large quantities.

**INHALATION:** May cause irritation if inhaled.

## 5. FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

Suitable fire-extinguisher  
carbon dioxide, extinguishing powder, water spray, alcohol resistant foam

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

None of note.

### 5.3 ADVICE FOR FIREFIGHTERS

**FIRE FIGHTING PROCEDURES:** General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

**FIRE FIGHTING EQUIPMENT:** Foam, dry chemical, carbon dioxide (CO<sub>2</sub>)

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Refer to section 8 for personal protective equipment.

Read label before use.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers or drainage leading to waterways.

### 6.3 METHOD AND MATERIAL FOR CONTAINMENT AND CLEANING UP

**SMALL SPILL:** Wipe up small amounts with chemical resistant or damp rag which is washed with large amounts of water after each use. After cleaning, flush away traces with water.

**LARGE SPILL:** Absorb with inert, damp non-combustible material, then flush area with water.

### 6.4 REFERENCE TO OTHER SECTIONS

Not applicable.

## 7. HANDLING AND STORAGE

**HANDLING:** Observe label precautions.

Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment. Wash hands after leaving the work area.

Keep away from sources of ignition and direct sunlight.

**STORAGE:** Keep in original container. Keep refrigerated.  
Store product in a closed packaging, cool, in a well-ventilated area, protected from the sun.  
Keep out of the reach of children.  
Keep away from combustible material.

## 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY COMPATIBILITIES

**SHELF LIFE:** See product labeling.

## 7.3 SPECIFIC END USE

Dental tooth whitening gel.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## 8.1 CONTROL PARAMETERS

Sodium Hydroxide CAS: 1310-73-2

Control Parameters	Exposure Limits
OSHA PEL General Industry	2 mg/m <sup>3</sup> TWA
OSHA PEL - Construction Industry	2 mg/m <sup>3</sup> TWA
OSHA PEL - Shipyard Employment	2 mg/m <sup>3</sup> TWA
NIOSH REL	2 mg/m <sup>3</sup> Ceiling
ACGIH TLV	2 mg/m <sup>3</sup> Ceiling
CAL/OSHA PEL	2 mg/m <sup>3</sup> Ceiling

Hydrogen Peroxide CAS: 7722-84-1

Control Parameters	Exposure Limits
OSHA PEL General Industry	1 ppm, 1.4 mg/m <sup>3</sup> TWA
OSHA PEL Construction Industry	1 ppm, 1.4 mg/m <sup>3</sup> TWA
OSHA PEL Maritime Industry	1ppm, 1.4 mg/m <sup>3</sup> TWA
ACGIH TLV	1ppm, 1.4 mg/m <sup>3</sup> TWA
NIOSH REL	1ppm, 1.4 mg/m <sup>3</sup> TWA

## 8.2 EXPOSURE CONTROLS

**PROTECTIVE AND HYGIENE MEASURES:** Avoid contact with skin, eyes and clothes. Draw up and observe skin protection program.

**EYE PROTECTION:** Wear safety goggles/eye protection.

**SKIN PROTECTION:** Wear suitable protective clothing and gloves.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Gel

**ODOR:** Slightly minty

**COLOR:** Clear/Colorless

**SOLUBILITY IN WATER:** Partly soluble.

## 9.2 OTHER INFORMATION

Not applicable.

# 10. STABILITY AND REACTIVITY

## 10.1 REACTIVITY

Stable when stored and handled under recommended conditions.

#### **10.2 CHEMICAL REACTIVITY**

**STABILITY:** Stable when stored and handled under recommended conditions.

#### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

**POLYMERIZATION:** Not applicable.

#### **10.4 CONDITIONS TO AVOID**

**CONDITIONS TO AVOID:** Strong acids, strong bases, and oxidizing agents.

#### **10.5 INCOMPATIBLE MATERIALS**

**INCOMPATIBLE MATERIALS:** Strong caustics, most metals.

#### **10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

None known.

### **11. TOXICOLOGICAL INFORMATION**

#### **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**EYE EFFECTS:** R36: Irritating to eyes.

**SENSITIZATION:** Repeated or prolonged use may cause irritation.

#### **11.2 INFORMATION ON OTHER HAZARDS**

None known.

### **12. ECOLOGICAL INFORMATION**

#### **12.1 TOXICITY**

Not determined. Do not allow to enter drains or waterways.

#### **12.2 PERSISTENCE AND DEGRADABILITY**

Not determined.

#### **12.3 BIOACCUMULATIVE POTENTIAL**

Not determined.

#### **12.4 MOBILITY IN SOIL**

Not determined.

#### **12.5 RESULTS OF PBT AND vPvB ASSESSMENT**

Not determined.

#### **12.6 ENDOCRINE DISRUPTING PROPERTIES**

Not determined.

#### **12.7 OTHER ADVERSE EFFECTS**

**ECOTOXICOLOGICAL INFORMATION:** Biodegradability - Not established.

### **13. DISPOSAL CONSIDERATIONS**

#### **13.1 WASTE TREATMENT METHODS**

**DISPOSAL METHOD:** Do not allow to enter into surface water or drains. Dispose according to legislation. Dispose of in compliance with governmental regulation (EC 1975L0442-20/11/2003).

### **14. TRANSPORT INFORMATION**

#### **14.1 UN NUMBER**

Not subject to Transport-regulation Dangerous Substances.

#### **14.2 UN NUMBER PROPER SHIPPING NAME**

Not subject to Transport-regulation Dangerous Substances. Not Dangerous Goods.

#### **14.3 TRANSPORT HAZARD CLASSES**

Not subject to Transport-regulation Dangerous Substances.

#### **14.4 PACKING GROUP**

Not subject to Transport-regulation Dangerous Substances.

#### **14.5 ENVIRONMENTAL HAZARDS**

Marine pollutant: No

#### **14.6 SPECIAL PRECAUTIONS FOR USER**

Not subject to Transport-regulation Dangerous Substances.

#### **14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE**

Data not available.

### **15. REGULATORY INFORMATION**

#### **15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR SUBSTANCE OR MIXTURE**

##### **United States**

Food and Drug Administration (FDA) The product described in this Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box, or accompanying literature (where applicable).

##### **Europe**

Please refer to Regulation 1223/2009 on Cosmetic Products.

#### **15.2 CHEMICAL SAFETY ASSESSMENT**

See section 11. This product is not considered dangerous for transportation.

### **16. OTHER INFORMATION**

#### **OVERVIEW OF GHS AND H-SENTENCES FOR COMPONENTS IN SECTION 3**

GHS03 - Oxidizing

GHS05 - Corrosive

GHS07 – Harmful

Skin Irr., Cat. 2: Skin Irritation, Category 2

H271 – May cause fire or explosion, strong oxidizer.

H302 – Harmful if swallowed.

H314 – Causes severe skin burns and eye damage.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

**PREPARED BY:** Beyond International Inc.

**REVISION SUMMARY:** Q22024

**MANUFACTURER DISCLAIMER:** FOR DENTAL USE ONLY: Use as directed.

The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate; however, BEYOND® International Inc., makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.