

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### WHITEsmile Power Whitening YF 40% HP (mixed 32% HP), Light Whitening AC 22%, 32% HP

Print date: 24.02.2015

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

WHITEsmile Power Whitening YF 40% HP (mixed 32% HP), Light Whitening AC 22%, 32% HP

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

###### Use of the substance/mixture

In-Office teeth whitening system; two-component tooth-whitening system based on hydrogen peroxide

##### 1.3. Details of the supplier of the safety data sheet

Company name:	WHITEsmile GmbH	
Street:	Weinheimer Str. 6.	
Place:	D-69488 Birkenau	
Telephone:	+49 6201 - 8432190	Telefax:+49 6201 8432190
e-mail:	info@whitesmile.de	
Internet:	www.whitesmile.de	

##### 1.4. Emergency telephone number:

 Giftinformationszentrum Universitätsklinikum Mainz  
 Telefon +49 6131 19240

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xn - Harmful, Xi - Irritant  
 R phrases:  
 Harmful if swallowed.  
 Risk of serious damage to eyes.

###### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:  
 Acute toxicity: Acute Tox. 4  
 Serious eye damage/eye irritation: Eye Dam. 1  
 Hazard Statements:  
 Harmful if swallowed.  
 Causes serious eye damage.

##### 2.2. Label elements

###### Hazardous components which must be listed on the label

Hydrogen peroxide solution ... %

Signal word:	Danger
Pictograms:	GHS07



###### Hazard statements

H302	Harmful if swallowed.
H318	Causes serious eye damage.

###### Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection.
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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.
P501	Dispose of contents/container in accordance with local regulation.

#### Special labelling of certain mixtures

EUH208	Contains 3-aminopropyl-diethylamine, N,N-diethyl-1,3-diaminopropane. May produce an allergic reaction.
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of hydrogen peroxide (22%-32%), polyglycol, organic amines, silicon dioxide

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
231-765-0	Hydrogen peroxide solution ... %	20 - < 35 %
7722-84-1	O - Oxidizing, C - Corrosive, Xn - Harmful R05-08-20/22-35 Ox. Liq. 1, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Aquatic Chronic 3; H271 H302 H332 H314 H412	
203-236-4	3-aminopropyl-diethylamine, N,N-diethyl-1,3-diaminopropane	< 1 %
104-78-9	C - Corrosive, Xn - Harmful R10-21/22-34-43	
612-062-00-1	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1; H226 H312 H302 H314 H317	

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Take off contaminated clothing and wash it before reuse.

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).  
Do NOT induce vomiting.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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#### Suitable extinguishing media

Water, Foam., Carbon dioxide (CO<sub>2</sub>).

#### 5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, harmful

#### 5.3. Advice for firefighters

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

In case of fire: Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Safe handling: see section 7

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Take up mechanically, placing in appropriate containers for disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

When using do not eat, drink or smoke., Wash hands thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place.

Keep at temperature not exceeding 12 °C (to be specified by the manufacturer).

Protect from the action of light.

##### Advice on storage compatibility

Do not store together with: food

Keep away from combustible material.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7722-84-1	Hydrogen peroxide	1	1.4		TWA (8 h)	WEL
		2	2.8		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### Protective and hygiene measures

Avoid contact with skin, eyes and clothes. Draw up and observe skin protection programme.

##### Eye/face protection

tightly fitting goggles

##### Hand protection

Wear protective gloves.

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**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

none

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: Gel  
Colour: LW AC: green, PW YF: yellow  
Odour: characteristic

**Test method**

pH-Value (at 20 °C): 8,0 - 9,7 , in the mixture

**Changes in the physical state**

Lower explosion limits:

Upper explosion limits:

Water solubility: miscible

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Exothermic reaction with:  
Oxidising agent, acids, Alkali (lye)  
Reducing agent, Alcohols, Amines

**10.4. Conditions to avoid**

Keep away from heat.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Harmful if swallowed.

**ATEmix calculated**

ATE (inhalative aerosol) 4,687 mg/l

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**Acute toxicity**

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
7722-84-1	Hydrogen peroxide solution ... %				
	oral	LD50 mg/kg	1193 - 1270	Rat	IUCLID
	dermal	LD50	> 2000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50	(0,17) mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		
104-78-9	3-aminopropyl-diethylamine, N,N-diethyl-1,3-diaminopropane				
	oral	LD50	550 mg/kg	Rat	GESTIS
	dermal	LD50	615 mg/kg	Rabbit	GESTIS

**Irritation and corrosivity**

Causes serious eye damage.

**Sensitising effects**

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

**STOT-single exposure**

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

**Severe effects after repeated or prolonged exposure**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**Aspiration hazard**

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

**Further information**

Product has not been tested. The statement is derived from the properties of the components.

**SECTION 12: Ecological information**
**12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
7722-84-1	Hydrogen peroxide solution ... %					
	Acute fish toxicity	LC50	16,4 mg/l	96 h	Pimephales promelas	IUCLID
	Acute algae toxicity	ErC50	2,5 mg/l	72 h	Chlorella vulgaris	

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Advice on disposal**

 Do not allow to enter into surface water or drains.  
 Dispose according to legislation.

**Waste disposal number of waste from residues/unused products**

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160903 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; oxidising substances; peroxides, for example hydrogen peroxide  
Classified as hazardous waste.

#### Waste disposal number of used product

160903 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; oxidising substances; peroxides, for example hydrogen peroxide  
Classified as hazardous waste.

#### Waste disposal number of contaminated packaging

160903 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; oxidising substances; peroxides, for example hydrogen peroxide  
Classified as hazardous waste.

#### Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 2014  
**14.2. UN proper shipping name:** Hydrogen peroxide, aqueous solution  
**14.3. Transport hazard class(es):** 5.1  
**14.4. Packing group:** II  
 Hazard label: 5.1+8  
 Classification code: OC1  
 Limited quantity: 1 L  
 Transport category: 2  
 Hazard No: 58  
 Tunnel restriction code: E

#### Other applicable information (land transport)

E2

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 2014  
**14.2. UN proper shipping name:** HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)  
**14.3. Transport hazard class(es):** 5.1  
**14.4. Packing group:** II  
 Hazard label: 5.1+8  
 Classification code: OC1  
 Limited quantity: 1 L

#### Other applicable information (inland waterways transport)

E2

#### Marine transport (IMDG)

**14.1. UN number:** UN 2014  
**14.2. UN proper shipping name:** HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)  
**14.3. Transport hazard class(es):** 5.1  
**14.4. Packing group:** II  
 Hazard label: 5.1+8

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Special Provisions: -  
Limited quantity: 1 L  
EmS: F-H, S-Q

**Other applicable information (marine transport)**  
E2**Air transport (ICAO)**

**14.1. UN number:** UN 2014  
**14.2. UN proper shipping name:** HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)  
**14.3. Transport hazard class(es):** 5.1  
**14.4. Packing group:** II  
Hazard label: 5.1+8  
Limited quantity Passenger: 0.5 L  
IATA-packing instructions - Passenger: 550  
IATA-max. quantity - Passenger: 1 L  
IATA-packing instructions - Cargo: 554  
IATA-max. quantity - Cargo: 5 L

**Other applicable information (air transport)**  
E2

Passenger-LQ: Y540

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
not applicable**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**Additional information**

Observe in addition any national regulations!

**SECTION 16: Other information****Relevant R-phrases (Number and full text)**

05 Heating may cause an explosion.  
08 Contact with combustible material may cause fire.  
10 Flammable.  
20/22 Harmful by inhalation and if swallowed.  
21/22 Harmful in contact with skin and if swallowed.  
34 Causes burns.  
35 Causes severe burns.  
43 May cause sensitisation by skin contact.

**Relevant H- and EUH-phrases (Number and full text)**

H226 Flammable liquid and vapour.  
H271 May cause fire or explosion; strong oxidiser.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

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EUH208

Contains 3-aminopropyl-diethylamine, N,N-diethyl-1,3-diaminopropane. May produce an allergic reaction.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*