

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### WHITEsmile LIGHT WHITENING, WHITEsmile Power Whitening XTRA, WHITEsmile Power Whitening YF

Revision date: 24.01.2024

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

##### 1.1. Product identifier

WHITEsmile LIGHT WHITENING AC 32% HP (mixed), WHITEsmile Power Whitening XTRA 38% (mixed 30% HP),  
WHITEsmile Power Whitening YF 40% (mixed 32% HP)

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

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

In-office tooth whitening system; two-component hydrogen peroxide-based tooth whitening system The product is used for fast, medically indicated whitening of heavily discolored, vital and devitalized teeth, the color of which cannot be transformed into the natural or normal tooth color by professional tooth cleaning. It is used to whiten one or more teeth or parts of a tooth. It is also suitable for whitening individual endodontically treated devitalized teeth including intracoronal bleaching.

Tooth Whitening system should not be used in the following cases: stains which can be removed by suitable polishing agents and rotating brush during a professional tooth cleaning, Pregnancy and lactation due to lack of studies, known allergy to any of the ingredients, exposed dentin, faulty edges of fillings, unmet primary and secondary caries, very heavy smokers and alcoholics, persons under the age of 18, under anesthesia.

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

Company name:	WHITEsmile GmbH	
Street:	Weinheimer Straße 6 69488	
Place:	Birkenau	
Telephone:	+49 62 01 / 8 43 21-90	Telefax:+49 62 01 / 8 43 21-99
E-mail:	info@whitesmile.com	
Internet:	https://www.whitesmile.com	

#### SECTION 2: Hazards identification

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

###### Regulation (EC) No 1272/2008

Acute Tox. 4; H302

Acute Tox. 4; H332

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

###### Regulation (EC) No 1272/2008

###### Hazard components for labelling

hydrogen peroxide solution ... %

Signal word: Danger

###### Pictogram:



###### Hazard statements

H302+H332 Harmful if swallowed or inhaled.  
H318 Causes serious eye damage.

###### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local regulation.

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#### Special labelling of certain mixtures

EUH208

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of hydrogen peroxide (30 - <35 %), polyglycol, organic amines, silicon dioxide

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
7722-84-1	hydrogen peroxide solution ... %			30 - < 35 %
	231-765-0	008-003-00-9		
	Ox. Liq. 2, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1; H272 H332 H302 H314 H318			
104-78-9	3-aminopropyl-diethylamine; N,N-diethyl-1,3-diaminopropane			< 1 %
	203-236-4	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 H and EUH statements: see section 16.

##### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
7722-84-1	231-765-0	hydrogen peroxide solution ... %	30 - < 35 %
	inhalation: LC50 = (0,17) mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 1193 - 1270 mg/kg Ox. Liq. 2; H272: >= 50 - 100 Skin Corr. 1B; H314: >= 50 - 100 Skin Irrit. 2; H315: >= 35 - < 50 Eye Dam. 1; H318: >= 8 - 100 Eye Irrit. 2; H319: >= 5 - < 8		
104-78-9	203-236-4	3-aminopropyl-diethylamine; N,N-diethyl-1,3-diaminopropane	< 1 %
	dermal: LD50 = 615 mg/kg; oral: LD50 = 550 mg/kg		

### 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.

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#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing agent

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

###### General advice

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

###### Other information

Absorb with liquid-binding material (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.

###### Advice on general occupational hygiene

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

##### 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.

Protect from exposure to light.

###### Hints on joint storage

Do not store together with: Food

Keep away from combustible material.

#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

###### Occupational exposure limits (TRGS 900)

CAS-Nr.	Term	ppm	mg/m <sup>3</sup>	F/m <sup>3</sup>	Peak limiting factor	Note	Art
7722-84-1	Hydrogen Peroxide	0,5	0,71		1(l)	Y	TRGS 900

##### 8.2. Exposure controls

###### Individual protection measures, such as personal protective equipment

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#### Eye/face protection

tightly fitting goggles

#### Hand protection

Wear protective gloves.

#### 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:	WHITEsmile LIGHT WHITENING AC: <b>green</b> ; WHITEsmile Power Whitening YF: <b>yellow</b> ; WHITEsmile Power Whitening XTRA: <b>red</b>
Odour:	characteristic
pH-Value (at 20 °C):	8 - 8,6 , in the mixture
Kinematic viscosity:	not determined
Water solubility:	miscible
Solubility in other solvents	not determined
Relative vapor density:	not determined
Particle properties	not applicable

## 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:  
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.  
Harmful if inhaled.

#### ATEmix calculated

ATE (oral) 3728 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 34,37 mg/l; ATE (inhalation dust/mist) 4,687 mg/l

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CAS No	Chemical name				
	Exposure route	Method	Dose	Species	Source
7722-84-1	hydrogen peroxide solution ... %				
	oral	LD50	1193 - 1270 mg/kg	Rat	IUCLID
	dermal	LD50	>2000 mg/kg	Rabbit	
	inhalation (4 h) vapour	LC50	(0,17) mg/l	Rat	
	inhalation dust/mist	ATE	1,5 mg/l		
104-78-9	3-aminopropyldiethylamine; 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.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

Contains 3-aminopropyldiethylamine; N,N-diethyl-1,3-diaminopropane. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

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

#### 11.2. Information on other hazards

##### 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	

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### Further information

Do not allow to enter into surface water or drains.

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#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### Disposal recommendations

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

###### List of Wastes Code - residues/unused products

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

###### List of Wastes Code - used product

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

###### List of Wastes Code - contaminated packaging

160903 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; oxidising substances; peroxides, for example hydrogen peroxide; 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)

<b><u>14.1. UN number or ID number:</u></b>	UN 2014
<b><u>14.2. UN proper shipping name:</u></b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20 % but not more than 60 % hydrogen peroxide (stabilized as necessary)
<b><u>14.3. Transport hazard class(es):</u></b>	5.1
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	5.1+8
Classification code:	OC1
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	58
Tunnel restriction code:	E

##### Other relevant information on land transport

Excepted quantities: E2

##### Inland waterways transport (ADN)

<b><u>14.1. UN number or ID number:</u></b>	UN 2014
<b><u>14.2. UN proper shipping name:</u></b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20 % but not more than 60 % hydrogen peroxide (stabilized as necessary)
<b><u>14.3. Transport hazard class(es):</u></b>	5.1
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	5.1+8
Classification code:	OC1
Limited quantity:	1 L
Excepted quantity:	E2

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

Excepted quantities: E2

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#### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	UN 2014
<b>14.2. UN proper shipping name:</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)
<b>14.3. Transport hazard class(es):</b>	5.1
<b>14.4. Packing group:</b>	II
Hazard label:	5.1+8
Special Provisions:	-
Limited quantity:	1 L
EmS:	F-H, S-Q

#### Other applicable information (marine transport)

Excepted quantities: E2

#### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number or ID number:</b>	UN 2014
<b>14.2. UN proper shipping name:</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION, with 20% or more but 40 % or less hydrogen peroxide (stabilized as necessary)
<b>14.3. Transport hazard class(es):</b>	5.1
<b>14.4. Packing group:</b>	II
Hazard label:	5.1+8
Limited quantity Passenger:	0.5 L
Passenger LQ:	Y540
Excepted quantity:	E2
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)

Excepted quantities: E2

Passenger-LQ: Y540

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

##### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Status: Mixing rule according to VvVwS Appendix 4, Nr. 3

##### Additional information

Observe in addition any national regulations!

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,3,10,11,14.

#### Abbreviations and acronyms

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Ox. Liq: Oxidising liquid  
Flam. Liq: Flammable liquid  
Acute Tox: Acute toxicity  
Skin Corr: Skin corrosion  
Eye Dam: Eye damage  
Skin Sens: Skin sensitisation

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Acute Tox. 4; H302	
Acute Tox. 4; H332	Calculation method
Eye Dam. 1; H318	Calculation method

**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H302+H332	Harmful if swallowed or inhaled.
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.
EUH208	Contains 3-aminopropyldiethylamine; 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.)*