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Revision Date

Revision Number 0

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

**Product Name** Contrastpm 20%  
**Synonyms** 20% carbamide peroxide gel  
**Recommended Use** Dental whitening gel

**Importer**  
Emergo Europe  
Molenstraat 15  
2513 BH, The Hague  
The Netherlands  
TEL: 1-800-817-3636

**Company**  
Spectrum Dental LLC  
8554 Hayden Place  
Culver City, CA 90232  
USA  
TEL: 1-800-817-3636

### For further information, please contact

**E-mail Address** .  
**Emergency Telephone Number** 800-817-3636

## 2. HAZARDS IDENTIFICATION

### DSD/DPD

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

**Classification**  
Xi;R41 - Xi;R36 - R52-53

**Hazard Symbols**  
Xi - Irritant

**Most Important Hazards**  
Irritating to eyes  
Risk of serious damage to eyes  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**GHS/CLP****GHS-Classification**

Acute Inhalation Toxicity - Vapours	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Chronic aquatic toxicity	Category 3

**GHS Label elements, including precautionary statements****Signal Word****Danger****Hazard Statements**

- Harmful if inhaled
- Causes severe skin burns and eye damage
- Causes serious eye damage
- Harmful to aquatic life with long lasting effects

**Physical Hazards****Precautionary Statements****Prevention**

- Use only outdoors or in a well-ventilated area
- Do not breathe dust/fume/gas/mist/vapours/spray
- Wash face, hands and any exposed skin thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid release to the environment.

**General Advice**

- Immediately call a POISON CENTRE or doctor/physician
- Specific treatment (see supplemental instructions on the administration of antidotes on this label)

**Eyes**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTRE or doctor/physician.

**Skin**

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.

**Inhalation**

- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTRE or doctor/physician if you feel unwell.

**Ingestion**

- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

**Storage**

- Store locked up

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Propylene glycol	200-338-0	57-55-6	40-50	R52-53	Aquatic Chronic 3 (H412)	no data available
Glycerin	200-289-5	56-81-5	10-20	R52-53		no data available
Urea peroxide	204-701-4	124-43-6	1-10	Xi;R37/38-41		no data available
Hydrogen peroxide	231-765-0	7722-84-1	1-10	Xn; R20/22 C; R35 R5 O; R8	Acute Tox. 4 (H302) B Skin Corr. 1A (H314) B Ox. Liq. 1 (H271) B Acute Tox. 4 (H332) B	no data available

**For the full text of the R-phrases mentioned in this Section, see Section 16.**

### 4. FIRST AID MEASURES

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Skin contact</b>	Call a physician immediately.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If large quantities of this material are swallowed, call a physician immediately.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### Extinguishing Media Which Must not be Used for Safety Reasons

No information available.

#### Special Exposure Hazards Arising from the Substance or Preparation Itself, Combustion Products, Resulting Gases

None in particular.

#### Special Protective Equipment for Fire-fighters

Wear self-contained breathing apparatus and protective suit. Wear self contained breathing apparatus for fire fighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with the skin and the eyes.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
<b>Other Information</b>	Keep combustables (wood, paper, oil, etc) away from spilled material

## 7. HANDLING AND STORAGE

**Handling** Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Propylene glycol 57-55-6		STEL: 1422 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 450 ppm TWA: 10 mg/m <sup>3</sup> TWA: 150 ppm TWA: 474 mg/m <sup>3</sup>			
Glycerin 56-81-5		STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	VME: 10 mg/m <sup>3</sup>	VLA-ED: 10 mg/m <sup>3</sup>	MAK: 50 mg/m <sup>3</sup> Ceiling / Peak: 100 mg/m <sup>3</sup>
Hydrogen peroxide 7722-84-1		STEL: 2 ppm STEL: 2.8 mg/m <sup>3</sup> TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>	VME: 1.5 mg/m <sup>3</sup> VME: 1 ppm	VLA-ED: 1 ppm VLA-ED; 1.4 mg/m <sup>3</sup> VLA-ED	MAK: 0.5 ppm MAK: 0.71 mg/m <sup>3</sup> Ceiling / Peak: 0.5 ppm Ceiling / Peak: 0.71 mg/m <sup>3</sup> Skin

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Glycerin 56-81-5		TWA: 10 mg/m <sup>3</sup>		TWA: 20 mg/m <sup>3</sup>	
Hydrogen peroxide 7722-84-1		TWA: 1 ppm	MAC: 1 ppm MAC; 1.4 mg/m <sup>3</sup> MAC	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> STEL: 3 ppm STEL: 4.2 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Propylene glycol 57-55-6				TWA: 25 ppm TWA: 79 mg/m <sup>3</sup> STEL: 118.5 mg/m <sup>3</sup> STEL: 37.5 ppm	TWA: 10 mg/m <sup>3</sup> TWA: 150 ppm TWA: 470 mg/m <sup>3</sup>
Glycerin 56-81-5		STEL: 100 mg/m <sup>3</sup> MAK: 50 mg/m <sup>3</sup>	NDS: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>
Hydrogen peroxide 7722-84-1	STEL 2 ppm STEL; 2.8 mg/m <sup>3</sup> STEL MAK: 1 ppm MAK; 1.4 mg/m <sup>3</sup> MAK	STEL: 0.5 ppm STEL (15 min); 0.71 mg/m <sup>3</sup> STEL (15 min) MAK: 0.5 ppm MAK; 0.71 mg/m <sup>3</sup> MAK	NDSch: 4 mg/m <sup>3</sup> NDS: 1.5 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> STEL: 2.8 mg/m <sup>3</sup> STEL: 3 ppm	TWA: 1 ppm TWA: 1.5 mg/m <sup>3</sup> STEL: 2 ppm STEL: 3 mg/m <sup>3</sup>

### Occupational Exposure Controls

#### **Engineering measures**

Ensure adequate ventilation, especially in confined areas.

#### **Personal Protective Equipment**

##### **Eye Protection**

Safety glasses with side-shields.

##### **Hand Protection**

Protective gloves.

##### **Skin and Body Protection**

Long sleeved clothing.

##### **Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn

#### **Hygiene Measures**

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

#### **Environmental Exposure Controls**

No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Physical State</b>	Liquid	<b>Appearance</b>	white
<b>Odour</b>	mint-like		

### Important Health Safety and Environmental Information

<b>Flash point</b>	Not applicable.	<b>Boiling Point/Range</b>	No information available.
<b>pH</b>	5.7-6.3	<b>Autoignition temperature</b>	No information available
<b>Vapour Pressure</b>	No information available	<b>VOC Content (%)</b>	No information available
<b>Viscosity</b>	250,000 - 1,200,000 cps	<b>Water Solubility</b>	Miscible with water
<b>Specific Gravity</b>	No information available.	<b>Evaporation Rate</b>	No information available
<b>Vapour Density</b>	No information available.		

**Flammability Limits in Air**      No information available

### Other Information

**Melting Point/Range**      No information available.

## 10. STABILITY AND REACTIVITY

**Stability**      Stable under normal conditions.

**Conditions to Avoid**      Heat.

**Materials to Avoid**      Organic materials

**Hazardous Decomposition Products**      Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>). Aldehydes Oxygen which supports combustion.

**Hazardous Polymerisation**      Hazardous polymerisation does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

**Inhalation**      There is no data available for this product.

**Eye Contact**      There is no data available for this product.

**Skin Contact**      There is no data available for this product.

**Ingestion**      There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium nitrate	3015 mg/kg ( Rat )		
Propylene glycol	20000 mg/kg ( Rat )	20800 mg/kg ( Rabbit )	
Hydrogen peroxide	801 mg/kg ( Rat )	2000 mg/kg ( Rabbit ) 4060 mg/kg ( Rat )	2 mg/L ( Rat ) 4 h

### Chronic Toxicity

#### Carcinogenicity

This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B)

**Target Organ Effects**      Eyes. Kidney. Respiratory system. Skin.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia magna (Water flea)
Propylene glycol	EC50: 19000 mg/L Pseudokirchneriella subcapitata 96 h	LC50: 51600 mg/L Oncorhynchus mykiss 96 h static LC50: 41-47 ml/L Oncorhynchus mykiss 96 h static LC50: 51400 mg/L Pimephales promelas 96 h static LC50: 710 mg/L Pimephales promelas 96 h	EC50 = 710 mg/L 30 min	EC50: >10000 mg/L Daphnia magna 24 h EC50: >1000 mg/L Daphnia magna 48 h Static
Glycerin		LC50: 51-57 ml/L Oncorhynchus mykiss 96 h static		EC50: >500 mg/L Daphnia magna 24 h
Hydrogen peroxide	EC50: 2.5 mg/L Chlorella vulgaris 72 h	LC50: 16.4 mg/L Pimephales promelas 96 h LC50: 18-56 mg/L Lepomis macrochirus 96 h static LC50: 10.0-32.0 mg/L Oncorhynchus mykiss 96 h static		EC50: 7.7 mg/L Daphnia magna 24 h EC50: 18 - 32 mg/L Daphnia magna 48 h Static

**Persistence and Degradability** No information available.

**Bioaccumulative Potential** No information available.

**Mobility** No information available.

Chemical Name	log Pow
Glycerin	-1.76

## 13. DISPOSAL CONSIDERATIONS

**Waste from Residues/Unused Products** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other Information** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## 14. TRANSPORT INFORMATION

**IMDG/IMO** not regulated

**RID** not regulated

**ADR** not regulated

**ICAO** Not regulated

**IATA** Not regulated

## 15. REGULATORY INFORMATION

**DSD/DPD**

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

**Labelling****Symbol(s)**

Xi - Irritant

**R-phrases(s)**

R36 - Irritating to eyes

R41 - Risk of serious damage to eyes

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrases(s)**

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 - Wear eye/face protection.

**GHS/CLP****Signal Word****Symbol(s)****Danger**

Corrosion.

**Hazard Statements**

Harmful if inhaled

Causes severe skin burns and eye damage

Causes serious eye damage

Harmful to aquatic life with long lasting effects

EUH210 - Safety data sheet available on request

**Precautionary Statements**

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 - Use only outdoors or in a well-ventilated area.

P312 - Call a POISON CENTRE/doctor/physician if you feel unwell

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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 to an approved landfill.

P273 - Avoid release to the environment.

**International Inventories**

All of the components in the product are on the following Inventory lists: Australia (AICS), China (IECSC).

**TSCA**

Complies

**EINECS/ELINCS**

Complies

<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	-
<b>ENCS</b>	-
<b>IECSC</b>	-
<b>AICS</b>	-
<b>KECL</b>	-

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances

**REACH Title VII Restrictions** No information available.

<b>16. OTHER INFORMATION</b>
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**Full text of R-phrases referred to under Sections 2 and 3**

R53 - May cause long-term adverse effects in the aquatic environment.  
R52 - Harmful to aquatic organisms.  
R41 - Risk of serious damage to eyes.  
R35 - Causes severe burns.  
R 8 - Contact with combustible material may cause fire  
R 5 - Heating may cause an explosion.  
R36 - Irritating to eyes.  
R37/38 - Irritating to respiratory system and skin.  
R20/22 - Harmful by inhalation and if swallowed.  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**Revision Date**

**Revision Note** Initial Release.

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet