

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

076372007

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

076372056 272455012

**MATERIAL SAFETY DATA SHEET**

Product: POLA OFFICE +

Date / Revised: 16.10.2012

Page 1 of 5

Revision: 4

**1. Substance / Preparation and Company name**

Product Name: Pola Office +

Recommended use: To remove discoloration of teeth, to be performed by a dentist.

**Manufacturer / Supplier**SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, Australia**Telephone:**

+61 3 8727 7111 (Business hours)

Southern Dental Industries Ltd  
Block 8, St Johns Court  
Swords Road  
Santry, Dublin 9, Ireland**Telephone:**

+353 1 886 9577 (Business Hours)

SDI Inc.  
729 N.Route 83, Suite 315  
Bensenville 60106 IL, USA**Telephone:**

630 238 8300 (Business hours)

SDI Brasil Indústria e Comércio Ltda  
Rua Dr. Virgílio de Carvalho Pinto, 612  
Pinheiros, São Paulo, 05415-020  
Brasil**Telephone:**

+ 55 11 3092 7100 (Business Hours)

**Emergency contact number:** +61 3 8727 7111**2. Composition / Information on ingredients**

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. % w/w</u>
<b>Pola Office +</b>		
Hydrogen peroxide	7722-84-1	30.0 - 37.5
Sodium hydroxide	1310-73-2	< 0.5

**3. Hazard Identification****Pola Office +** causes irritation / damage to skin, eyes and mucous membrane.**HAZARDOUS; DANGEROUS****Hazard classification** according to GHS:**Skin Corrosion / Irritation 2****Serious Eye Damage/Irritation 1****DANGER**

Hazard phrase(s) –	<b>H315</b> <b>H318</b> <b>H302</b>	Causes skin irritation Causes serious eye damage Harmful if swallowed
Precautionary phrase(s) –	<b>P264</b> <b>P280</b>  <b>P302 + P352</b>	Wash hands thoroughly after handling Wear protective gloves/protective clothing/eye protection /face protection. IF ON SKIN: Wash with plenty of soap and water



## MATERIAL SAFETY DATA SHEET

Product: POLA OFFICE +  
Date / Revised: 16.10.2012

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### 3. Hazard Identification (Cont'd.)

**P332 + P313**  
**P362**  
**P305+P351+P338**

If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.  
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.

**P310**

Immediately call a POISON CENTER or doctor/physician.

### 4. First Aid Measures

Eye (contact): Immediately flush open eyes with running water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek urgent medical attention. Make sure the patient's, dentist's and auxiliary's eyes are protected.

Skin (contact): Remove contaminated clothing. If skin or hair contact occurs, wash skin and hair with running water. Skin may appear temporarily bleached white. Seek medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting, immediately drink lots of water/milk. Seek urgent medical attention.

### 5. Fire Fighting Measures

Suitable extinguishing media: Water spray.

Unusual Fire and Explosion Hazards: Strong oxidiser. Contact with other substances may cause fire. Container explosion may occur under fire conditions.

Special protective equipment: Wear approved respirator and protective gear. Use spray to cool containers.

Flammability: Non flammable.

### 6. Accidental Release Measures

Personal precautions: Do not get into eyes, on skin or clothing.

Environmental precautions: Prevent any spillage from entering waterways, drains or sewage system. Use protective eyewear and latex gloves when handling.

Methods for cleaning up: Clean up with damp rag. Rinse rag thoroughly with water.

### 7. Handling and storage

#### Handling

Extreme care required when handling the Hydrogen Peroxide mixture. Wear protective clothing - gloves / face/ eye protection.



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**7. Handling and storage (Cont'd.)**Storage

Storage by the end user (Dental Clinic) is recommended to be at temperatures between 2° - 8°C (35° - 45°F) and should be kept away from direct sunlight.

Distribution

During distribution, to our customers, this product can be transported in non-refrigerated conditions between 15° to 25° C. This product can also withstand temperatures up to 40° C for short periods (2 to 3 days) and intermittent peaks up to 50°C.

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**8. Exposure controls / personal protection**

Respiratory protection:	Not required under normal conditions of use.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety glasses, goggles or face shield.
General safety and hygiene measures:	Safety shower and eye bath. Wash thoroughly after handling. Wash contaminated clothing before re-use. Follow good housekeeping practices and good industrial hygiene in handling this material.

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**9. Physical and chemical properties****Pola Office +**

Appearance:	Clear, blue gel
Odour:	Not applicable
Boiling point:	Not established
Melting point:	Not established
Specific gravity:	Not established
Flash point:	Not applicable
Flammable:	Not flammable
Autoflammability:	Does not self ignite
Explosive properties:	Does not present an explosion hazard
Oxidising properties:	Strong oxidiser
Vapour pressure (@ 20°C):	Not established
Solubility:	Soluble in water

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## 10. Stability and Reactivity

Stability:	Hydrogen Peroxide Liquid is easily decomposed.
Conditions to avoid:	Heat, moisture and light.
Materials to avoid:	Metals, strong bases and acids, organic solvents, combustibles.
Hazardous decomposition products:	Hydrogen Peroxide Liquid decomposes to oxygen and water.
Hazardous reactivity (polymerization):	Will not occur.

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## 11. Toxicological information

Acute toxicity:	Harmful by ingestion.
Skin (contact):	Irritating / corrosive to skin.
Eye (contact)	Damaging to eyes.
Ingestion:	Harmful

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## 12. Ecological information

Self assessment:	<b>Pola Office +</b> - Biodegradable.
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## 13. Disposal considerations

Dispose of in accordance with local official regulations. Wash containers out with water prior to disposal.

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## 14. Transport information

Hydrogen peroxide, aqueous solution UN2014 Packing Group II Class 5.1 sub-risk Class 8.

If packed in Chemical kits the following classification may be considered if all ICAO/IATA transport requirements are met:

Chemical Kit UN3316 - Class 9.

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## 15. Regulatory information

Classified according to the Australian SUSMP - *Standard for the Uniform Scheduling of Medicines and Poisons*, as follows: Schedule 6 - POISON

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**MATERIAL SAFETY DATA SHEET****Product:** POLA OFFICE +  
**Date / Revised:** 16.10.2012**Page 5 of 5****Revision: 4**

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**16. Other information**

For professional use only. Use as directed.

The information provided herein is given in good faith, but no warranty expressed or implied is made.

**Prepared by:** SDI Limited3-13 Brunsdon Street, Bayswater  
Victoria, 3153, Australia**Phone Number:**

+61 3 8727 7111

**Department issuing MSDS:** Research and Development**Contact:** Operations Director

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**MATERIAL SAFETY DATA SHEET****Product: POLA OFFICE****Date / Revised 16.10.2012****Page 1 of 5****Revision: 5**

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**1. Substance / Preparation and Company name**

Product Name: Pola Office

Recommended use: To remove discoloration of teeth, to be performed by a dentist.

**Manufacturer / Supplier**SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, AustraliaSDI Inc.  
729 N.Route 83, Suite 315  
Bensenville 60106 IL, USA**Telephone:**

+61 3 8727 7111 (Business hours)

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Southern Dental Industries Ltd  
Block 8, St Johns Court  
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Santry, Dublin 9, IrelandSDI Brasil Indústria e Comércio Ltda  
Rua Dr. Virgílio de Carvalho Pinto, 612  
Pinheiros, São Paulo, 05415-020  
Brasil**Telephone:**

+353 1 886 9577 (Business Hours)

**Telephone:**

+ 55 11 3092 7100 (Business Hours)

**Emergency contact number:** +61 3 8727 7111

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**2. Composition / Information on ingredients**

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. % w/w</u>
<b>Pola Office Liquid</b>		
Hydrogen peroxide (35%)	7722-84-1	35.0
<b>Pola Office Powder</b>		
Silicone dioxide powder	7631-86-9	73.3
Catalysts (Proprietary)		26.2

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**3. Hazard Identification**

Classified as: HAZARDOUS; DANGEROUS.

**Pola Office Liquid** is corrosive and causes irritation/damage to skin, eye and mucous membrane.

Hazard Classification according to GHS:

**Skin Corrosion/Irritation Category 2****Serious Eye Damage/Irritation Category 1****DANGER**

Hazard phrase(s) –	<b>H315</b> <b>H318</b> <b>H302</b>	Causes skin irritation Causes serious eye damage Harmful if swallowed
Precautionary phrase(s) –	<b>P264</b> <b>P280</b>	Wash skin thoroughly after handling Wear protective gloves and eye protection/face protection.

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**3. Hazard Identification (Cont'd.)**

Precautionary phrase(s) –	<b>P302+P352</b>	IF ON SKIN OR HAIR: Wash with plenty of soap and water.
	<b>P332+P313</b>	If skin irritation occurs: Get medical advice/attention.
	<b>P362</b>	Take off contaminated clothing and wash before reuse.
	<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	<b>P331</b>	If swallowed, do NOT induce vomiting.
	<b>P310</b>	Immediately call a POISON CENTER or doctor/physician.

**Pola Office Powder** is hazardous. It is fluffy and easily airborne. Limit disturbance of the powder pot and avoid inhalation of any airborne dust.

Hazard Classification according to GHS:

**Specific Target Organ Toxicity Category 3;  
Serious Eye Damage/Irritation Category 2A  
WARNING**

Hazard phrase(s) -	<b>H335</b> <b>H319</b>	May cause respiratory irritation Causes serious eye irritation
Precautionary phrase(S) -	<b>P261</b> <b>P280</b> <b>P271</b> <b>P304+P340</b>  <b>P312</b>  <b>P305+P351+P338</b>  <b>P337+P313</b> <b>P403+P233</b>  <b>P405</b> <b>P501</b>	Avoid breathing dust Wear eye/face protection Use only outdoors or in a well-ventilated area IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local regulations.

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**4. First Aid Measures**

Eye (contact):	Immediately flush open eyes with running water for at least 15 minutes. Seek immediate medical attention. Make sure the patients, dentists and auxiliary's eyes are protected.
Skin (contact):	Remove contaminated clothing. Wash skin with plenty of water. Skin may appear temporarily bleached white.
Ingestion:	Do NOT induce vomiting, immediately drink lots of water/milk. Seek immediate medical attention.
Inhalation:	Remove to fresh air. If not breathing, give Artificial respiration. If breathing is difficult, seek immediate medical advice.

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**5. Fire Fighting Measures**

Suitable extinguishing media:	Water spray.
Unusual Fire and Explosion Hazards:	Strong oxidiser. Contact with other substances may cause fire. Container explosion may occur under fire conditions.
Special protective equipment:	Wear approved respiratory and protective gear. Use spray to cool containers.
Flammability:	Non flammable.

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**6. Accidental Release Measures**

Personal precautions:	Do not get into eyes, on skin or clothing.
Environmental precautions:	Prevent any spillage from entering waterways, drains or sewage system. Use protective eyewear and latex gloves when handling.
Methods for cleaning up:	Clean up with damp rag. Rinse thoroughly with water.

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**7. Handling and storage**Handling

Extreme care required when handling the Hydrogen Peroxide Liquid. Container may be under pressure. Remove cap with caution. Replace caps immediately after use. Care when handling the Pola Office Powder to avoid disturbance, as the powder is easily airborne - avoid inhalation and contact with eyes.

Storage

Storage by the end user (Dental Clinic) is recommended to be at temperatures between 2° - 8°C (35° - 45°F) and should be kept away from direct sunlight.

Distribution

During distribution, to our customers, this product can be transported in non-refrigerated conditions between 15° to 25° C. This product can also withstand temperatures up to 40° C for short periods (2 to 3 days) and intermittent peaks up to 50°C.

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**8. Exposure controls / personal protection**

Respiratory protection:	Not required under normal conditions of use.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety glasses, goggles or face shield.
General safety and hygiene measures:	Safety shower and eye bath. Wash thoroughly after handling. Wash contaminated clothing before re-use.
	Follow good housekeeping practices and good industrial hygiene in handling this material.

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**MATERIAL SAFETY DATA SHEET****Product: POLA OFFICE****Date / Revised: 16.10.2012****Page 4 of 5****Revision: 5**

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**9. Physical and chemical properties**

	<b>Pola Office Liquid</b>	<b>Pola Office Powder</b>
Appearance:	Clear, colourless liquid	Fluffy white speckled powder
Odour:	Not applicable	Not applicable
Boiling point:	126°C	Not applicable
Melting point:	-40°C	Not established
Specific gravity:	1.11	Not established
Flash point:	Not applicable	Not applicable
Flammable:	Not flammable	Not flammable
Autoflammability:	Does not self ignite	Does not self ignite
Explosive properties:	Does not present an explosion hazard	Does not present an explosion hazard
Oxidising properties:	Strong oxidiser	Strong oxidiser
Vapour pressure (@ 20°C):	23.3 mm Hg	Not volatile
	<b>Pola Office Liquid</b>	<b>Pola Office Powder</b>
Solubility:	Soluble in water	Not soluble in water

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**10. Stability and Reactivity**

Stability:	Hydrogen Peroxide Liquid is easily decomposed. Powder is stable.
Conditions to avoid:	Heat and moisture.
Materials to avoid:	Metals, strong bases and acids, organic solvents, combustibles.
Hazardous decomposition products:	Hydrogen Peroxide Liquid decomposes to oxygen and water. Powder decomposes to sulfur oxides, oxygen, carbon monoxide, carbon dioxide.
Hazardous reactivity (polymerization):	Will not occur.

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**MATERIAL SAFETY DATA SHEET****Product:** POLA OFFICE**Date / Revised:** 16.10.2012**Page 5 of 5****Revision:** 5

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**11. Toxicological information**

Acute toxicity:	Harmful by inhalation and ingestion.
Skin (contact):	May be irritating
Eye (contact)	Damaging to eyes.
Ingestion:	Harmful
Inhalation:	May be harmful and irritating to respiratory system.

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**12. Ecological information**

Self assessment:       **Pola Office Liquid** - Biodegradable.  
                                  **Pola Office Powder** - Data not yet available.

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**13. Disposal considerations**

Dispose of in accordance with local official regulations. Wash containers out with water prior to disposal.

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**14. Transport information**

Hydrogen peroxide, aqueous solution UN2014 Packing Group II Class 5.1 subsidiary-risk Class 8.

If packed in Chemical kits the following classification may be considered if all ICAO/IATA transport requirements are met:

Chemical Kit UN3316 - Class 9.

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**15. Regulatory information**

Classified according to the Australian SUSMP - *Standard for the Uniform Scheduling of Medicines and Poisons*, as follows: Schedule 6 - POISON

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**16. Other information**

For professional use only. Use as directed.

The information provided herein is given in good faith, but no warranty expressed or implied is made.

<b>Prepared by:</b>	SDI Limited 3-13 Brunsdon Street, Bayswater Victoria, 3153, Australia	<b>Phone Number:</b> +61 3 8727 7111
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**Department issuing MSDS:** Research and Development  
**Contact:** Operations Director

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## 1. Identification of the substance/mixture and of the Company/undertaking:

### 1.1 Product identifier:

Product Name: Pola Office +

### 1.2 Relevant identified use:

Relevant use:

Professional Dental use: To remove discoloration of teeth, to be performed by a dentist.

### 1.3 Details of the supplier of the Safety Data Sheet:

#### **Manufacturer / Supplier**

SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, Australia

SDI (North America) Inc.  
1279 Hamilton Parkway  
Itasca, IL 60143, USA

#### **Telephone:**

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Southern Dental Industries Ltd  
Block 8, St Johns Court  
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#### **Emergency contact number:**

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Email: [ray.cahill@sdi.com.au](mailto:ray.cahill@sdi.com.au) (Technical Director, SDI Limited)

## 2. Hazard Identification

Classification of the substance/mixture:

**Signal word: DANGER**



**Corrosion**

GHS Classification: Eye Damage (Category 1)  
Skin Irritant (Category 2)  
STOT (Single exposure) (Category 3)



## 2. Hazard Identification

Hazard phrase(s):

- H315 Causes skin irritation
- H318 Causes serious eye damage
- H335 May cause respiratory irritation.

Precautionary phrase(s):

Prevention:

- P264 Wash hands thoroughly after handling.
- P261 Avoid breathing fume/vapour/mist.
- P271 Use outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection /face protection.
- P101 If medical advice is needed, have product container and instructions for use at hand.
- P102 Keep out of reach of children.
- P103 Read label instructions for use before use.

Response:

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water .
- P321 Specific treatment, refer to Instructions for Use and First Aid Section on this Safety Data Sheet.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- 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/physician.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTRE or doctor/physician if you feel unwell.

Storage:

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Disposal:

- P501 Dispose of contents in accordance with local official regulations.

Other:

Pola Office + causes irritation / damage to skin, eyes, respiratory tract and mucous membrane, and is harmful if swallowed.

## 3. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. % w/w</u>	<u>EC No.</u>	<u>Index No.</u>
<b>Pola Office +</b>				
Hydrogen peroxide	7722-84-1	30.0 - 37.5	231-765-0	008-003-00-9
Sodium hydroxide	1310-73-2	< 0.5	215-185-5	011-002-00-6

Hazard classification and specific concentration limits, M-factors:

HYDROGEN PEROXIDE: Skin Irrit 2; H315: 35% ≤ C < 50%; Eye Dam. 1; H318 8% ≤ C < 50%; STOT SE 3; H335: C ≥ 35%.

SODIUM HYDROXIDE: specific concentration limits, M-factors: Skin Irrit. 2: H315: 0.5% ≤ C < 2%; Eye Irrit. 2: H319: 0.5% ≤ C < 2%.



#### 4. First Aid Measures

- Eye (contact): Immediately flush open eyes with running water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek urgent medical attention. Make sure the patient's, dentist's and auxiliary's eyes are protected.
- Skin (contact): Remove contaminated clothing. If skin or hair contact occurs, wash skin and hair with running water. Skin may appear temporarily bleached white. Seek medical attention.
- Ingestion: Rinse mouth. Do NOT induce vomiting, immediately drink lots of water/milk. Seek urgent medical attention.
- Inhalation: Not expected. If feeling unwell, remove victim to fresh air and allow to rest in a comfortable position.
- Most important effects, acute and delayed:  
The most important known symptoms and effects are described in section 2 and/or in section 11.
- Indication of any immediate medical attention and special treatment needed:  
No data available.
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#### 5. Fire Fighting Measures

- Suitable extinguishing media: Water spray and carbon dioxide.
- Unusual Fire and Explosion Hazards: Contact with other substances may cause fire. Container explosion may occur under fire conditions.
- Unsuitable extinguishing media: Do not use extinguishing media for organic compounds.
- Specific hazards arising from the mixture:  
The product itself does not burn. In the event of fire, product may decompose and release oxygen.  
Incompatible materials: Avoid contact with metals, metallic salts, alkalis, flammable substances, and organic solvents.
- Special protective equipment: Wear approved self-contained breathing apparatus, full protective clothing along with protective equipment.
- Flammability: None expected. Non flammable (product does not burn), however will release oxygen when exposed to high heat.
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## 6. Accidental Release Measures

- Personal precautions: Do not get into eyes, on skin or clothing.  
Use personal protective equipment.  
Avoid breathing vapours, mist or gas.  
Wash thoroughly after handling.  
For personal protection see section 8.
- Environmental precautions: Prevent any spillage from entering waterways, drains or sewage system.  
Use protective eyewear and latex gloves when handling.
- Methods for cleaning up and containment:  
Clean up with damp rag. Rinse rag thoroughly with water.  
Dispose of as hazardous waste.
- Removal of ignition sources: Eliminate sources of ignition.
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## 7. Handling and storage

### Precautions for safe handling:

Extreme care required when handling the Hydrogen Peroxide mixture.  
Wear protective clothing - gloves / face/ eye protection.

### Conditions for safe storage, including any biocompatibilities:

Storage by the end user (Dental Clinic) is recommended to be at temperatures between 2° - 8°C (35° - 45°F) and should be kept away from direct sunlight.

### Distribution:

During distribution, to our customers, this product can be transported in non-refrigerated conditions between 15° to 25° C. This product can also withstand temperatures up to 40° C for short periods (2 to 3 days) and intermittent peaks up to 50°C.

- Specific end use: Apart from the use mentioned in section 1.2, there are no other uses for the product.
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## 8. Exposure controls / personal protection

Control parameters:  
Occupational exposure limits (NOHSC, NIOSH, OSHA,):

Standard name	Cas No	TWA (ppm)	TWA (mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )
Hydrogen peroxide	7722-84-1	1	1.4	-	-

NOHSC – National Occupation Health and Safety Commission

NIOSH – National Institute for Occupation Safety and Health

OHSA – Occupational Health and Safety Authority

TWA – Time weighted average

STEL – Short term exposure limit

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at end of workday.

Personal protective equipment:

Respiratory protection: Not required under normal conditions of use.

Hand protection: Chemical resistant gloves.

Eye protection: Safety glasses, goggles or face shield.

General safety and hygiene measures: Safety shower and eye bath. Wash thoroughly after handling. Wash contaminated clothing before re-use. Follow good housekeeping practices and good industrial hygiene in handling this material.

## 9. Physical and chemical properties

### **Pola Office +**

Appearance: Clear, blue gel

Odour: Not applicable

Boiling point: Not established

Melting point: Not established

Specific gravity: Not established

Flash point: Not applicable

Flammable: Not flammable

Autoflammability: Does not self-ignite

Explosive properties: Does not present an explosion hazard

Oxidising properties: Strong oxidiser

Vapour pressure (@ 20°C): Not established

Solubility: Soluble in water





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## 9. Physical and chemical properties

Relative density:	Not established
Auto-ignition temperature:	Not established
Decomposition temperature	Not established
Initial boiling point and boiling range:	Not established
pH:	pH 6.5 - 8

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## 10. Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Hydrogen Peroxide Liquid is easily decomposed. Stable under normal conditions of use and storage as indicated on label/instructions for use.
Conditions to avoid:	Heat, moisture direct sunlight.
Materials to avoid:	Metals, strong bases and acids, organic solvents, combustibles.
Hazardous decomposition products:	Hydrogen Peroxide Liquid decomposes to oxygen and water. Under thermal decomposition, product will emit oxygen and steam.

Hazardous reactivity (polymerization): Will not occur under normal conditions of use and storage.

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## 11. Toxicological information

Toxicological data on ingredients:	Oral LD50 Rat: 805mg/Kg (OECD Test Guideline 401)
	Oral LD50 Rat: 1193mg/Kg (Literature) Hydrogen Peroxide 35% as test substance.
	Oral LD50 Rat: 801mg/Kg (Literature) Hydrogen Peroxide 60% as test substance.
	Inhale LC50 Rat: >0.17mg/L (Literature) Hydrogen Peroxide 50% as test substance.
	Skin LD50 Rabbit: >6500mg/Kg (Literature)
	Skin Irritation Rabbit: Strong corrosive (Literature)
	Eye Irritation Rabbit: Corrosive (Literature)
	Repeated Dose Toxicity: Mouse 90d changes of parameters of the blood, body weight development negative. Irritative effect on gastro-intestinal tract (OECD)
	Genotoxicity in Vitro: Microorganisms, cell cultures - no mutagenic effects.
	Genotoxicity in Vivo: Micronucleus test mouse intraperitoneal - negative.



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## 11. Toxicological information

Carcinogenicity:	Hydrogen Peroxide is not a carcinogenic substance according to MAK, IARC, NTP, OSHA and ACGIH.
Health affects – Acute:	
Acute toxicity:	Harmful ingestion.
Skin corrosion/irritation:	Irritating to skin. With increasing contact length, local erythema or extreme irritation can occur.
Serious eye damage/irritation:	Damaging to eyes. Extreme irritation up to cauterisation. Can cause severe conjunctivitis, cornea damage or irreversible eye damage. Symptoms may occur without delay.
Ingestion:	Harmful if swallowed and can lead to irritation and bleeding of the mucosa. Rapid release of oxygen can cause distention and bleeding of irritation/bleeding of the mucosa. Excessive ingestion can cause damage to internal organs.
Respiratory or skin sensitisation:	Inhalation of vapour can lead to irritation of the respiratory tract.
Germ cell mutagenicity:	No data available.
Carcinogenicity (according to IARC, MAK, NTP, OSHA, and ACGIH):	Hydrogen peroxide – Group 3 – not classifiable as to its carcinogenicity to humans.
Reproductive toxicity:	No data available.
Specific target organ toxicity – single exposure:	May cause irritation/damage to eyes, skin and respiratory system. Harmful if swallowed.
Specific target organ toxicity – repeated exposure:	No data available.
Aspiration hazard:	No data available.

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## 12. Ecological information

Self-assessment:	<b>Pola Office +</b> - Biodegradable.
Ecotoxicity:	No data available.
Persistence and biodegradability:	No data available.
Bioaccumulative potential:	None. Hydrogen peroxide quickly decomposes to oxygen and water.
Mobility in soil:	No data available.
Results of PBT and VPvB assessment:	PBT/VPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects:	No data available.

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### 13. Disposal considerations

Dispose of in accordance with local, state and national official regulations. Wash containers out with water prior to disposal.

Contaminated packaging: Dispose of contaminated packaging as hazardous waste in accordance with local, state and national official regulations.

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### 14. Transport information

Hydrogen peroxide, aqueous solution UN2014 Packing Group II Class 5.1 sub-risk Class 8.

If packed in Chemical kits the following classification may be considered if all ICAO/IATA transport requirements are met:

Chemical Kit UN3316 - Class 9.

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### 15. Regulatory information

Classified according to the Australian SUSMP - *Standard for the Uniform Scheduling of Medicines and Poisons*, as follows: Schedule 6 - POISON

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### 16. Other information

For professional use only. Use as directed.

The information provided herein is given in good faith, but no warranty expressed or implied is made.

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