



## 1. Substance / Preparation and Company name

Product Name: Pola Office

Recommended use: For in-office whitening of teeth by dental professionals.

### Manufacturer / Supplier

SDI Limited  
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## 2. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
<b>Pola Office Liquid</b>		
Hydrogen peroxide (35%)	7722-84-1	35.0
Balance ingredient (non-hazardous)		65.0
<b>Pola Office Powder</b>		
Silicone dioxide powder		73.3
Catalysts (Proprietary)		26.2
Balance ingredient (non-hazardous)		0.5

## 3. Hazard Identification

**Pola Office Liquid** is corrosive and causes burns to skin, eye and mucous membrane.

**O** Oxidising agent

**C** Corrosive

Risk phrase(s) – **R 8** Contact with combustible material may cause fire  
**R34** Causes burns

Safety phrase(s) – **1/2** Keep locked up and out of reach of children  
**3** Keep in a cool place  
**15** Keep away from heat  
**17** Keep away from combustible material  
**18** Handle & open container with care  
**24/25** Avoid contact with skin and eyes  
**37/39** Wear suitable gloves and eye/face protection



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

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

Risk phrase(s) - **36/37** Irritating to eyes and respiratory system

Safety phrase(S) - **1/2** Keep locked up and out of reach of children

**7/8** Keep container tightly closed and dry.

**22** Do not breathe dust

**25** Avoid contact with eyes

**26** In case of contact with eyes, rinse immediately with plenty of water and contact a doctor.

### 4. First Aid Measures

Eye (contact): Immediately flush open eyes with running water for at least 15 minutes. Seek medical attention. Make sure the patient's, dentist's 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, drink lots of water/milk. Seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give AR respiration. If breathing is difficult, seek medical advice.

### 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 Liquid. Container may be under pressure. Remove cap with caution. Replace caps immediately after use.

### Storage

Store at temperatures between 2° - 25°C (35° - 77°F) away from direct sunlight.

## 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.

## 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



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## 9. Physical and chemical properties (Cont'd)

	<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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## 11. Toxicological information

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

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## 12. Ecological information

Self assessment:	<b>Pola Office Liquid</b> - Biodegradable. <b>Pola Office Powder</b> - 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 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

This product is regulated by:

Medical Devices Directive 93/42/EEC  
National regulations

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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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**Department issuing MSDS:** Research and Development  
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