



1. Substance / Preparation and Company name

Product Name: Pola Office

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

Manufacturer / Supplier

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2. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
Pola Office Liquid		
Hydrogen peroxide (35%)	7722-84-1	35.0
Balance ingredient (non-hazardous)		65.0
Pola Office Powder		
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): Flush opened eye with running water for 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° - 8°C (35° - 45°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

	Pola Office Liquid	Pola Office Powder
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



9. Physical and chemical properties (Cont'd)

Relative density:	Not established	Not established
Solubility:	Soluble in water	Not soluble in water

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.

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.

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.

14. Transport information

This product is not considered to be a dangerous good within the meaning of transportation regulations.



15. Regulatory information

This product is regulated by:

Medical Devices Directive 93/42/EEC
National regulations

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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