

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

**MATERIAL SAFETY DATA SHEET****Product: POLA OFFICE****Date / Revised 16.10.2012****Page 1 of 5****Revision: 5****1. Substance / Preparation and Company name**

Product Name: Pola Office

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

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

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

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) –	H315 H318 H302	Causes skin irritation Causes serious eye damage Harmful if swallowed
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Precautionary phrase(s) –	P264 P280	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) –	P302+P352	IF ON SKIN OR HAIR: Wash with plenty of soap and water.
	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.
	P331	If swallowed, do NOT induce vomiting.
	P310	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) -	H335 H319	May cause respiratory irritation Causes serious eye irritation
Precautionary phrase(S) -	P261 P280 P271 P304+P340 P312 P305+P351+P338 P337+P313 P403+P233 P405 P501	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.

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.



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.

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.

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.

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 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
	Pola Office Liquid	Pola Office Powder
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.

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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.

12. Ecological information

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

13. Disposal considerations

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

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.

15. Regulatory information

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

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
Contact: Operations Director
