

# MATERIAL SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### OPAL

**Recommended Use:** Instrument disinfectant.  
**Product Code:** 150103 (2X5L), 150106 (6x1L).

#### Whiteley Medical

[www.whiteley.com.au](http://www.whiteley.com.au)

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Emergency Telephone Number: Poisons Information Centre (National) 131126

## Section 2: HAZARDS

Not classified as hazardous by the criteria of Safe Work Australia.

## Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be hazardous o-Phthalaldehyde	Not applicable 643-79-8	To 100% <1%

## Section 4: FIRST AID

<b>Eye (Contact)</b>	Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
<b>Skin (Contact)</b>	Remove contaminated clothing and flush skin and hair with running water. Seek medical attention if irritation develops or persists.
<b>Inhalation (Breathing)</b>	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms persist seek medical attention.
<b>Ingestion (Swallowing)</b>	DO NOT induce vomiting. For advice, contact a Poisons Information Centre or a doctor.
<b>First Aid Facilities</b>	Ensure an eye bath is available and ready for use.
<b>Additional Information</b>	May cause sensitisation by inhalation and skin contact.

## Section 5: FIREFIGHTING MEASURE

<b>Suitable Extinguishing Media</b>	Not combustible but may burn on evaporation of water. Use extinguishing media suited to the materials that are burning. e.g. Dry chemical, CO <sub>2</sub> or water spray.
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<b>Hazards From Combustion Products</b>	Carbon dioxide and carbon monoxide may be produced in the case of fire or during thermal decomposition.
<b>Precautions For Fire Fighters and Special Protective Equipment</b>	Firefighters must wear full protective clothing including self contained breathing apparatus and chemical splash suit. Ensure that no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.
<b>Additional Information</b>	<b>Hazchem Code</b> – Nil

### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedure</b>	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide Not applicable.
<b>Spills / Clean up</b>	Small spills can be wiped up with a sponge or mop. Flush with large quantities of water down drain. Large spills, PREVENT SOLUTION FROM ENTERING DRAINS AND WATERWAYS. Evacuate personnel from immediate area of spill. Neutralise by sprinkling 33 grams of Glycine (free base) powder per 5 litres of OPAL spilled. Mix with mop or other tool and allow 5 minutes for deactivation of the o-phthalaldehyde. Scoop up and place into a clean, sealable, plastic container. Flush area and tools with copious amounts of water.

### Section 7: HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Contact Whiteley Corporation sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin. Any non-intended or non-authorized use of this product may result in severe personal injury or damage to equipment. Store product in original container. Wear appropriate PPE.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well-ventilated area. Keep container tightly sealed.

### Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**National Exposure Standards** – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
o-Phthalaldehyde	643-79-8	None Available	None Available

<b>Biological Limit Values</b>	Not available.
<b>Engineering Controls</b>	Use in a well ventilated area. Avoid production of aerosols. When general ventilation is inadequate use local exhaust hood or ductless fume hoods that contain a filter that can absorb o-phthalaldehyde.

**Personal Protective Equipment**

Eye/face protection – Safety glasses / face shield / chemical resistant goggles should be worn to prevent eye contact especially during manual procedures.

Skin protection – Use nitrile or suitable gloves to prevent skin contact. Do not use polyvinyl gloves. Double gloving should be practised where surgical gloves are necessary. The external glove should be discarded after immersion in the solution. An apron should be worn during disposal or manual procedures. Enclosed shoes should also be worn to prevent skin contact.

Respiratory protection – Not required for normal use. A respirator may be required if there is not adequate ventilation. For spill control wear an AS1716 approved full face respirator with combined Type P1 particulate and organic vapour cartridges.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** Clear colourless to very yellow pale liquid

**Boiling Point** greater than 100°C

**Odour** Characteristic

**Freezing Point** approximately 0°C

**pH** 7.50-8.00

**Solubility** Soluble in water.

**Specific Gravity** 1.011-1.013

**Flash Point** Not Applicable.

**Vapour Pressure** Not Available.

**Upper and Lower Flammability limits (in air)** Not Applicable.

**Vapour Density** Not Available.

**Ignition Temperature** Not Applicable.

**Section 10: STABILITY AND REACTIVITY**

**Chemical Stability**

Stable under recommended storage conditions.

**Conditions to avoid**

Avoid extremes of temperature and direct sunlight. Protect against physical damage.

**Incompatible materials**

Do not mix with other chemicals including strong acids, bases and oxidising agents.

**Hazardous decomposition products**

None known.

**Hazardous reactions**

None known.

**Section 11: TOXICOLOGICAL INFORMATION****HEALTH EFFECTS****Acute****Swallowed**

Considered an unlikely route of entry in commercial / industrial environments. May cause tissue damage in the mouth, throat and stomach. Symptoms may include vomiting, diarrhoea and nausea.

**Eye**

Transient discomfort may be produced.

**Skin**

Can cause a brownish discolouration of the skin. May cause sensitisation.

**Inhaled**

Inhalation of mists or sprays may cause irritation of nose, throat and respiratory system. May cause headaches. May cause sensitisation. Inhalation can aggravate pre-existing bronchitis and asthma conditions.

**Chronic**

<b>Swallowed</b>	Effects not known.
<b>Eye</b>	Effects not known.
<b>Skin</b>	May cause sensitisation. May cause dermatitis.
<b>Inhalation</b>	May cause sensitisation.

**TOXICITY DATA**

o-phthalaldehyde	LD <sub>50</sub> 178mg/kg (oral, rat)
	LD <sub>50</sub> >2000mg/kg (dermal, rat)

**Section 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Not available.
<b>Persistence and degradability</b>	Not available.
<b>Mobility</b>	Not available.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal method** Refer to Local, State and Federal Land Waste Management Authorities if applicable. Do not reuse empty containers.

**Special precautions**

**Section 14: TRANSPORT INFORMATION**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

<b>UN Number</b>	Nil
<b>UN Proper Shipping Name</b>	Nil
<b>Class and subsidiary risk</b>	Nil
<b>Packing Group</b>	Nil
<b>Special precautions for user</b>	Nil
<b>Hazchem Code</b>	Nil

**Section 15: REGULATORY INFORMATION**

Poisons Schedule (SUSDP): schedule 5 – CAUTION.

Warning – Irritant to skin, eyes, mucous membranes and upper respiratory tract. Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. May cause allergy.

Safety – Avoid contact with eyes. Avoid contact with skin. Wear protective gloves when mixing or using. Avoid breathing vapour or spray mist. Ensure adequate ventilation when using.

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

**Section 16: OTHER INFORMATION**

**Date of preparation:** 20<sup>th</sup> November 2013

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