

Safety Data Sheet
 according to WHS Regulations

Printing date 09.03.2017

Revision: 09.03.2017

1 Identification

Product Name: ODONTOBLEACH

Product Code: OBL25

Recommended Use of the Chemical and Restriction on Use: Root canal medicament

Details of Manufacturer or Importer:

Australian Dental Manufacturing
 25 Billabong Street
 Kenmore Hills QLD 4069

Phone Number: 07 3878 1901

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame over circle

Oxidising Solids 2 H272 May intensify fire; oxidiser.



health hazard

Toxic To Reproduction 1B H360Df May damage the unborn child. Suspected of damaging fertility.



corrosion

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.
 STOT SE 3 H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements

- H272 May intensify fire; oxidiser.
- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H360Df May damage the unborn child. Suspected of damaging fertility.
- H335 May cause respiratory irritation.

Precautionary Statements

- P221 Take any precaution to avoid mixing with combustibles.
- P210 Keep away from heat. - No smoking.
- P220 Keep/Store away from clothing/combustible materials.

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P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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/doctor.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P330	Rinse mouth.
P370+P378	In case of fire: Use to extinguish: CO ₂ , powder or water spray.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

10332-33-9	sodium peroxoborate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm)	99%
	 Oxidising Liquids 2, H272; Oxidising Solids 3, H272;  Toxic To Reproduction 1B, H360Df;  Serious Eye Damage/Irritation 1, H318;  Acute Toxicity (Oral) 4, H302; STOT SE 3, H335	

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.

Symptoms Caused by Exposure:

Inhalation: Causes respiratory irritation, coughing, sneezing, difficulty breathing and sore throat.

Skin Contact: Irritation is not expected if exposure is minimal. Large amounts may cause burning sensation.

Eye Contact: May cause ulceration of the eyes.

Ingestion: Harmful if ingested. Small amounts of paste ingested cause irritation to the mucosa or gastrointestinal tract.

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5 Fire Fighting Measures

Suitable Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of boron and sodium.

Contact with combustible material may cause fire. Oxygen released in thermal decomposition may support combustion.

Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid dust formation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and sweep powder into a pile and shovel into drums for subsequent disposal. Avoid dust formation. Provide adequate ventilation. Wash contaminated area liberally with water.

7 Handling and Storage

Precautions for Safe Handling:

Product to be handled only by qualified staff in dental offices/laboratories.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Avoid dust formation.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Moisture sensitive. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong reducing agents and heavy metal salts.

8 Exposure controls and personal protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

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Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Crystalline powder
Colour:	White
Odour:	Odourless
Odour Threshold:	Not applicable
pH-Value at 20 °C:	9.5-10.5 (3% solution)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Contact with combustible material may cause fire.
Auto-ignition Temperature:	
Decomposition Temperature:	Self-accelerating decomposition with oxygen release starting from 50 °C.
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Relative Density:	No information available
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water at 20 °C:	12 g/l

10 Stability and Reactivity

Possibility of Hazardous Reactions: No further relevant information available.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid:

Moisture sensitive. Protect from heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong reducing agents and heavy metal salts.

Hazardous Decomposition Products: Oxides of boron and sodium.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:**

10332-33-9 sodium peroxoborate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm)

Oral	LD ₅₀	900-2100 mg/kg (rat)
Dermal	LD ₅₀	>2000 mg/kg (rabbit)

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Acute Health Effects**Inhalation:** Causes respiratory irritation, coughing, sneezing, difficulty breathing and sore throat.**Skin:** Irritation is not expected if exposure is minimal. Large amounts may cause burning sensation.**Eye:** May cause ulceration of the eyes.**Ingestion:**

Harmful if ingested. Small amounts of paste ingested cause irritation to the mucosa or gastrointestinal tract.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye damage.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** May damage fertility or the unborn child.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Chronic toxicity from this product is unlikely due to the small amounts used. However continued exposure to his product may affect the gastrointestinal system if amount is over 1,000 mg/kg through the oral route.

Existing Conditions Aggravated by Exposure: No information available**12 Ecological Information****Ecotoxicity:** No information available**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**13 Disposal considerations****Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport information**UN Number
ADG, IMDG, IATA**

UN3377

**Proper Shipping Name
ADG
IMDG, IATA**3377 SODIUM PERBORATE MONOHYDRATE
SODIUM PERBORATE MONOHYDRATE**Dangerous Goods Class
ADG Class:**

5.1 Oxidising substances.

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Packing Group:**ADG** III**EMS Number:**

F-A,S-Q

Hazchem Code:

1Z

Limited Quantities:

5 kg

Packagings & IBCs - Packing Instruction:

P002, IBC08, LP02

Packagings & IBCs - Special Packing Provisions: B3**Portable Tanks & Bulk Containers - Instructions:** T1, BK1, BK2**Portable Tanks & Bulk Containers - Special****Provisions:** TP33

15 Regulatory information

Australian Inventory of Chemical Substances:

10332-33-9	sodium peroxoborate (containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm)
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Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 4

16 Other information

Date of Preparation or Last Revision: 09.03.2017**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Oxidising Liquids 2: Oxidising liquids, Hazard Category 2

Oxidising Solids 2: Oxidising solids, Hazard Category 2

Oxidising Solids 3: Oxidising solids, Hazard Category 3

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Toxic To Reproduction 1B: Reproductive toxicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

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