

Safety Data Sheet

according to WHS Regulations

Printing date 22.04.2022

Revision: 22.04.2022

1 Identification

Product Name: ODONTOBLEACH

Other Means of Identification: Substance

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 Poisons 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 3

H272 May intensify fire; oxidiser.



Skull and crossbones

Acute Toxicity (Inhalation) 3

H331 Toxic if inhaled.



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.

H331 Toxic if inhaled.

H318 Causes serious eye damage.

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H360Df May damage the unborn child. Suspected of damaging fertility.






H335 May cause respiratory irritation.

Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat. - No smoking.
P220	Keep/Store away from clothing/combustible materials.
P221	Take any precaution to avoid mixing with combustibles.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see on this label).
P330	Rinse mouth.
P370+P378	In case of fire: Use CO ₂ , powder or water spray for extinction.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
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:**

CAS: 10332-33-9	Sodium perborate monohydrate	99%
	 Oxidising Solids 3, H272;  Acute Toxicity (Inhalation) 3, H331;  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 if symptoms occur.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention.

Ingestion:

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

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Symptoms Caused by Exposure:

Inhalation: Toxic if inhaled. May cause respiratory irritation, coughing, sneezing, difficulty breathing and sore throat.

Skin Contact: May cause skin irritation. Large amounts may cause burning sensation.

Eye Contact: Causes serious eye damage. May cause ulceration of the eyes.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire Fighting Measures

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

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of boron and oxides of sodium.

Contact with combustible material may cause fire. Product is oxidisier and may intensify fire. Self-accelerating decomposition with oxygen release starting from 50 °C.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

HAZCHEM Code: 1Z

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 generating dust.

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. Use wet sweeping technique if possible. Provide adequate ventilation. Decontaminate spill area with copious amounts of 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.

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:**Nuisance dust**

WES	TWA: 10 mg/m ³
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Engineering Controls:

Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

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:

Chemically resistant 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.

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:** No information available**pH-Value at 20 °C:** 9.5 - 10.5 (3% aqueous solution)**Melting point/freezing point:** No information available**Initial Boiling Point/Boiling Range:** No information available**Flash Point:** Not applicable**Flammability:** Product is oxidisier and may intesify fire. Contact with combustible material may cause fire.**Auto-ignition Temperature:** No information available**Decomposition Temperature:** Self-accelerating decomposition with oxygen release starting from 50 °C.**Explosion Limits:****Lower:** No information available**Upper:** No information available**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**Partition Coefficient (n-octanol/water):** No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Self-accelerating decomposition with oxygen release starting from 50 °C. Oxygen released in thermal decomposition may support combustion.

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

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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 oxides of sodium.

11 Toxicological Information

Toxicity:**LD50/LC50 Values:****CAS: 10332-33-9 Sodium perborate monohydrate**

Oral	LD50	900-2,100 mg/kg (rat)
	LD50	>2,000 mg/kg (rabbit)

Acute Health Effects**Inhalation:**

Toxic if inhaled. May cause respiratory irritation, coughing, sneezing, difficulty breathing and sore throat.

Skin: May cause skin irritation. Large amounts may cause burning sensation.**Eye:** Causes serious eye damage. May cause ulceration of the eyes.**Ingestion:** Harmful if swallowed. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.**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 the unborn child. Suspected of damaging fertility.**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:** No information available**Existing Conditions Aggravated by Exposure:** No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

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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	SODIUM PERBORATE MONOHYDRATE
Dangerous Goods Class ADG Class:	5.1
Packing Group: ADG, IMDG, IATA	III
Marine pollutant:	No
EMS Number:	F-A,S-Q
Hazchem Code:	1Z
Special Provisions: Excepted quantities (EQ):	None E1
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, BK3
Portable Tanks & Bulk Containers - Special Provisions:	TP33

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 4

16 Other Information

Date of Preparation or Last Revision: 22.04.2022

Prepared by: MSDS.COM.AU Pty Ltd

www.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 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

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STEL: Short Term Exposure Limit

TWA: Time Weighted Average

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

Oxidising Solids 3: Oxidising solids, Hazard Category 3

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

Acute Toxicity (Inhalation) 3: Acute toxicity – Category 3

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 - July 2020”

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