

# Material Safety Data Sheet

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Infosafe No. LPVUR Issue Date : October 2006 ISSUED by PDS

Product Name : **ANTIRUST POWDER**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** ANTIRUST POWDER  
**Company Name** Professional Dentist Supplies Pty. Ltd. (ABN 69 088 275 576)  
**Address** Building 3/8 Nicole Close Bayswater North  
VIC 3153 Australia  
**Emergency Tel.** +61 3 9761 6615 bh  
**Telephone/Fax Number** Tel:  
+61 3 9761 6615  
Fax:  
+61 3 9730 1073  
**Recommended Use** Not available.  
**Other Information** PROFESSIONAL DENTIST SUPPLIES  
Ph: 03 9761 6615 (business hours)  
The information contained within this material safety data sheet (MSDS) is believed to be accurate on the date of issue and in accordance with the information provided to us. Any person handling the product referred to in this material safety data sheet do so at their own risk. Professional Dental Supplies accepts no liability whatsoever for damage or injury caused from the use of this information or of suggestions contained herein.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** HAZARDOUS SUBSTANCE.  
DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Risk Phrase(s)** R25 Toxic if swallowed.  
R36/38 Irritating to eyes and skin.  
R50 Very toxic to aquatic organisms.  
R8 Contact with combustible material may cause fire.  
**Safety Phrase(s)** S1/2 Keep locked up and out of reach of children.  
S20/21 When using, do not eat, drink or smoke.  
S22 Do not breathe dust.  
S45 In case of accident or if you feel unwell seek medical advice immediately  
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Sodium nitrite	7632-00-0	30-60 %
	Sodium sulphate	7757-82-6	30-60 %

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the victim to fresh air. If possible have victim blow nose to remove any dust. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If victim has stopped breathing begin artificial respiration. Seek immediate medical attention.  
**Ingestion** Do not induce vomiting. Rinse mouth thoroughly with water. Seek IMMEDIATE medical attention.  
**Skin** If contact with the skin occurs immediately remove contaminated clothing and wash affected area with water, followed by soap and water. Ensure contaminated clothing is washed before re-use. If irritation develops or persists seek medical attention.  
**Eye** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for several minutes. Seek medical attention.  
**First Aid Facilities** Eye wash station and normal washroom facilities.  
**Advice to Doctor** Treat symptomatically.  
**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

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## 5. FIRE FIGHTING MEASURES

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<b>Suitable Extinguishing Media</b>	Use water spray, foam, carbon dioxide or dry chemical to extinguish fire.
<b>Hazards from Combustion Products</b>	Combustion products include fumes, smoke, oxides of sulphur and oxides of nitrogen.
<b>Specific Hazards</b>	Mixtures with combustible material are readily ignited and may burn fiercely.
<b>Hazchem Code</b>	2W
<b>Precautions in connection with Fire</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Emergency Procedures</b>	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Evacuate all unnecessary personnel. If possible contain the spill. Use clean non-sparking tools to collect the material and place into a suitable labelled container for subsequent disposal. Dispose of waste according to the Environmental Protection Authority (EPA), federal, state and local regulations. If large quantities of this material enter the waterways contact the EPA, or your local Waste Management Authority.
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## 7. HANDLING AND STORAGE

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<b>Precautions for Safe Handling</b>	Avoid exposure. Prevent build up of dust in the work atmosphere. Maintain a high standard of personal hygiene i.e. do not eat, drink or smoke when handling, and after working with this substance wash hands prior to eating, drinking, smoking or using toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well ventilated area away from sources of ignition and out of direct sunlight. The material is an oxidiser. Keep from contact with clothing and other combustible materials. Do not store near combustible materials. Store in tightly closed containers. Keep container away from water or acids. Hygroscopic. Keep tightly sealed. Ignites with friction when in contact with organic materials. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>National Exposure Standards</b>	No exposure standards have been established for the mixture by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.
<b>Engineering Controls</b>	Provide sufficient ventilation. Where dust is generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS 2430 - Explosive gas atmospheres for further information concerning ventilation requirements.
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable particulate filter (Class P1 or P2) should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
<b>Eye Protection</b>	Safety glasses with side shields or face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear laminated film, nitrile or other suitable gloves conforming to AS/NZS 2161: Occupational protective gloves.
<b>Body Protection</b>	Suitable protective work wear should be worn when working with this material, e.g. cotton overalls buttoned at neck and wrist. When large quantities are

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handled the use of plastic aprons and rubber boots is recommended. Industrial clothing should conform to the specifications detailed in AS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Powder.
<b>Odour</b>	Not available.
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Soluble.
<b>Specific Gravity</b>	Not available
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Product is an oxidising agent and will assist combustion.
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	Not available
<b>Flammable Limits - Upper</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Moisture.
<b>Incompatible Materials</b>	Reducing agents, acids, combustible materials, ammonium salts and cyanates.
<b>Hazardous Decomposition Products</b>	When heated to decomposition may produce oxides of sulphur and nitrogen oxides.
<b>Hazardous Reactions</b>	Reacts violently with reducing materials, ammonium salts and cyanates.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	Sodium nitrite: Oral LD50 (rat)= 180 mg/kg
<b>Inhalation</b>	May cause irritation to respiratory system. Exposure to high dust concentrations may result in persistent headache, dizziness, nausea, vomiting, cyanosis, convulsions and death.
<b>Ingestion</b>	Toxic if swallowed. High levels can interfere with the ability of the blood to carry oxygen causing headache, fatigue, dizziness, and a blue colour to the skin and lips (methemoglobinemia). Higher levels can cause trouble breathing, collapse and even death.
<b>Skin</b>	Irritating in contact with skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.
<b>Eye</b>	Irritating in contact with eyes. Symptoms may include redness, excessive tearing, stinging and swelling.
<b>Chronic Effects</b>	Not available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data available for this specific product.
<b>Persistence / Degradability</b>	No data available for this specific product.
<b>Mobility</b>	No data available for this specific product.

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**Bioaccumulative Potential** Not available  
**Environ. Protection** Do not allow product to enter drains, waterways or sewers.

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### 13. DISPOSAL CONSIDERATIONS

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**Disposal Considerations** Dispose of waste according to Environmental Protection Authority, federal, state and local regulations.

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### 14. TRANSPORT INFORMATION

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**Transport Information** This material is a Class 5.1 - Oxidising Agent and subsidiary Class 6.1 Toxic Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. This material is incompatible in a placard load with any of the following::

- Class 1, Explosives
- Class 2.1, Flammable Gases
- Class 2.3, Toxic Gases
- Class 3, Flammable Liquids
- Class 4.1, Flammable Solids
- Class 4.2, Spontaneously Combustible Substances
- Class 4.3, Dangerous When Wet Substances
- Class 5.2, Organic Peroxides
- Class 6.1 Toxic Substances and Class 6.2 Infectious Substances (where the substances are fire risk substances)
- Radioactive Substances (Class 7)
- Corrosive Substances (Class 8)
- Miscellaneous Dangerous Goods (Class 9) (where the miscellaneous dangerous goods are fire risk substances)
- Combustible Liquids, and

are incompatible with food and food packaging in any quantity.

**U.N. Number** 3087

**Proper Shipping Name** OXIDIZING SOLID, TOXIC, N.O.S. - (CONTAINS SODIUM NITRITE)

**DG Class** 5.1

**Sub.Risk** 6.1

**Hazchem Code** 2W

**Packaging Method** 3.8.5.1

**Packing Group** III

**EPG Number** 5B1

**IERG Number** 31

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### 15. REGULATORY INFORMATION

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**Poisons Schedule** S6

**Hazard Category** Toxic, Irritant, Oxidising, Dangerous for the environment

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### 16. OTHER INFORMATION

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**Date of preparation or last revision of MSDS** MSDS Created: October 2006

**Contact Person/Point**

...End Of MSDS...