

Material Safety Data Sheet

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Infosafe No™ LPVUR Issue Date : January 2009 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 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 An antirust agent.

Other Names

<u>Name</u>	<u>Product Code</u>
ANTIRUST POWDER	34351

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.
S24/25 Avoid contact with skin and eyes.
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

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

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion Do not induce vomiting. Rinse mouth thoroughly with water. Seek IMMEDIATE medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If irritation develops or persists seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

First Aid Facilities Eye wash station and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at

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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use foam, carbon dioxide, dry chemical, water spray or water fog.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes and gases including oxides of sulphur and of nitrogen.

Specific Hazards Strong oxidizing agent. Material will support combustion.

Hazchem Code 2W

Precautions in connection with Fire 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.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Remove sources of ignition. Wear appropriate personal protective equipment and clothing to prevent exposure. Sweep up material avoiding dust generation or where possible use dustless methods such as vacuum to collect the material and transfer into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage 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. Refer to AS 4326-1995 The storage and handling of oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for dust not otherwise specified is 10 mg/m³.
TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Biological Limit Values No biological limits allocated.

Engineering Controls Provide sufficient ventilation to keep airborne levels as low as possible. Where dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian/New Zealand 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.

Eye Protection Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material such as laminate film or nitrile. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.

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Body Protection Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
 Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Moisture.
Incompatible Materials	Reducing agents, acids, combustible materials, ammonium salts and cyanates.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including oxides of sulphur and of nitrogen.
Hazardous Reactions	Reacts violently with reducing materials, ammonium salts and cyanates.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this material. The available toxicity data for the ingredients are as follows: Sodium nitrite: LD50 (Oral, Rat): 157.9 mg/kg LC50 (Inhalation, Rat): 5.5 mg/m ³ /4H
Inhalation	May cause irritation to respiratory system. Exposure to high dust concentrations may result in persistent headache, dizziness, nausea, vomiting, cyanosis, convulsions and death.
Ingestion	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.
Skin	Irritating in contact with skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.
Eye	Irritating in contact with eyes. Symptoms may include redness, excessive tearing, stinging and swelling.

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12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic organisms.
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to applicable local and national regulations.
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14. TRANSPORT INFORMATION

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: <ul style="list-style-type: none">- 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, Toxic and Infectious Substances, if the Class 6 substance is a fire risk substance- Class 7, Radioactive Substances- Class 8, Corrosive Substances- Class 9, Miscellaneous Dangerous Goods, if the Class 9 substance is a fire risk substance- 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

15. REGULATORY INFORMATION

Regulatory Information	Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Classified as a Scheduled Poison S6 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	S6
Hazard Category	Toxic, Irritant, Oxidising, Dangerous for the environment

16. OTHER INFORMATION

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Date of preparation MSDS Reviewed: January 2009

or last revision of Supersedes: October 2006

MSDS

Contact Person/Point

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