

Safety Data Sheet

Infosafe No™ LPVUR

Issue Date : January 2014

ISSUED by PDS

Product Name : **ANTIRUST POWDER**

1. Identification

GHS Product Identifier ANTIRUST POWDER
Company Name Professional Dentist Supplies Pty. Ltd. (ABN 69 088 275 576)
Address 3/8 Nicole Close Bayswater North
VIC 3153 Australia
Telephone/Fax Number Tel: +61 3 9761 6615
Fax: +61 3 9730 1073
Emergency phone number +61 3 9761 6615 bh
Recommended use of the chemical and restrictions on use An antirust agent.

Other Names

Name

Product Code

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. Hazard Identification

Classification of the substance or mixture Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Oxidizing Solids: Category 3
Acute Toxicity - Oral: Category 3
Skin Corrosion/Irritation: Category 2
Eye Damage/Irritation: Category 2A
Hazardous to the Aquatic Environment - Acute Hazard: Category 1
Danger

Signal Word (s)

Hazard Statement (s)

H272 May intensify fire; oxidiser.
H301 Toxic if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

Pictogram (s)

Environment, Exclamation mark, Flame over circle, Skull and crossbones



Precautionary statement – Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P220 Keep/Store away from clothing/combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

INGESTION
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
SKIN

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P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 EYE
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 OTHER
 P370+P378 In case of fire: Use carbon dioxide, dry chemical, foam, water mist or water spray for extinction.
 P391 Collect spillage.
 P405 Store locked up.
 P501 Dispose of contents/container to an approved waste disposal plant.

Precautionary statement – Storage
Precautionary statement – Disposal

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	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. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion Do not induce vomiting. Immediately wash out mouth with water (never give anything by mouth if affected person is semi-conscious or unconscious). Seek immediate medical attention.

Skin Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

Eye contact If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. 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 11 26) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media Use carbon dioxide, dry chemical, foam, water mist or water spray.

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 arising from the chemical A strong oxidising agent. Contact with combustible material may cause fire. Non-combustible, but will support the combustion of other materials.

Hazchem Code 1W

Decomposition Temp. Not available

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

Personal precautions, protective equipment and emergency procedures Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Do not breathe dust. Wear respiratory protection and full protective clothing to minimise exposure. Sweep up material avoiding dust generation - dampen spilled material with water if suitable to avoid airborne dust, OR where possible use dustless methods such as vacuum to collect the material; then transfer material in to suitable vapour tight labelled

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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 and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling	Toxic substance. Exposure without protection must be prevented. Avoid exposure, contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. DO NOT store or use in confined spaces. Avoid breathing in dust. Use in designated areas with adequate ventilation. Do not enter these areas without respiratory protection or until the atmosphere has been checked. Use approved storage containers in the work area. Prevent release of dusts into workplace air. Keep containers closed when not in use. Take precautionary measures against static discharges. Keep material away from sparks, flames and other ignition sources. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. Do not smoke. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.
Conditions for safe storage, including any incompatibilities	Store in a well ventilated area away from heat and sources of ignition, out of direct sunlight and moisture. Store in suitable, labelled containers away from incompatible materials. Inspect periodically for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Maximum product temperature 40°C. Refer to AS 4326-2008 The storage and handling of oxidizing agents and AS/NZS 4452: 1997 The storage and handling of toxic substances.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standards have been established for this material, however, the TWA Safe Work, Australia) exposure standards for dust not otherwise specified is 10 mg/m ³ . 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.
Appropriate engineering controls	This substance is toxic and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. Alternatively, a process enclosure system such as a fume cupboard should be employed. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn. If local exhaust ventilation is used, ensure sufficient air is replaced to compensate the air that has been removed. Refer to AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.
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. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

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Product Name : **ANTIRUST POWDER**

Appearance	Powder
Colour	Not available
Odour	Not available
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Soluble
Solubility in Organic Solvents	Not available
Specific Gravity	Not available
pH	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Evaporation Rate	Not available
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	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

Reactivity	Refer to Sec 10: Possibility of hazardous reactions.
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Moisture. Contact with combustible materials.
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.
Possibility of 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 given below.
Acute Toxicity - Oral	Sodium nitrite: LD50 (Rat): 157.9 mg/kg
Acute Toxicity - Inhalation	Sodium nitrite: LC50 (Rat): 5.5 mg/m ³ /4H
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

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Inhalation	skin and lips (methemoglobinemia). Higher levels can cause trouble breathing, collapse and even death. May cause irritation to respiratory system. Exposure to high dust concentrations may result in persistent headache, dizziness, nausea, vomiting, cyanosis, convulsions and death.
Skin	Irritating to skin. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Not considered to be a carcinogenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ by repeated exposure.
Aspiration Hazard	Not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity	Very toxic to aquatic organisms.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.
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14. Transport information

Transport Information	Road and Rail (Australia): This material is classified as Dangerous Goods Division 5.1 Oxidising substances and subsidiary Class 6.1 Toxic Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition). Division 5.1 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives - Division 2.1, Flammable Gases - Division 2.3, Toxic Gases - Class 3, Flammable Liquids - Division 4.1, Flammable Solids - Division 4.2, Spontaneously Combustible Substances - Division 4.3, Dangerous When Wet Substances - Some Division 5.1 Oxidising substances (Refer Table 9.2) - Division 5.2, Organic Peroxides - Class 6, Toxic and Infectious Substances, if the Class 6 substance is a fire risk substance - Class 7, Radioactive Substances
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- 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.

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No.: 3087

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

Class: 5.1, sub 6.1

Packaging Group: III

EMS No.: F-A, S-Q

Special Provision: 223, 274, 900

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No.: 3087

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

Class: 5.1, sub 6.1

Packaging Group: III

Label: Oxidizer, Toxic

Packaging Instructions (passenger & cargo): 559

Packaging Instructions (cargo only): 563

U.N. Number

3087

UN proper shipping name

OXIDIZING SOLID, TOXIC, N.O.S. - (CONTAINS SODIUM NITRITE)

Transport hazard class(es)

5.1

Sub.Risk

6.1

Hazchem Code

1W

Packing Group

III

EPG Number

5B1

IERG Number

31

IMDG Marine pollutant

Yes

15. Regulatory information

Regulatory Information

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

S6

AICS (Australia)

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other Information

Date of preparation or last revision of SDS

SDS Reviewed: January 2014

Supersedes: October 2006, January 2009

Literature References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

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American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.

Contact Person/Point

...End Of MSDS...

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