



## MATERIAL SAFETY DATA SHEET

**Product:** *Antirust - DARTablets*

**Product Code:** DL2401 - *DARTablets 100 tablets*

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Antirust – DarTablets

**Recommended use:** Used to protect and prevent rusting and corrosion of dental and medical instruments when added to cleaning and disinfectant solutions.

| Contact Information Organisation | Location   | Telephone       |
|----------------------------------|--|-----------------|
| Dentalife Australia Pty Ltd      | Factory 9 / 505 Maroondah Highway<br>Ringwood VIC 3134 Australia | +61 3 9879 1226 |

Poisons Information Centre (24 hour, 7 days a week) in an emergency : 13 11 26

### 2. HAZARD IDENTIFICATION

**2.1 Classification:** Hazardous Material

**2.2 Signal Word:** Warning



**2.3 Label Elements: Pictograms**

**2.4 Hazard Statement:** Strong oxidizing agent  
H225 Highly flammable liquid and vapour  
H301 Toxic if swallowed  
H335 May cause respiratory irritation.

**2.5 Precautionary Statements:** P102 Keep out of reach of children  
P264 Wash skin thoroughly after handling.  
P271 Use only in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

**2.6 Response Statements** P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.



## MATERIAL SAFETY DATA SHEET

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients :**

| Chemical Entity | CAS Number | Proportion (% w/v) |
|-----------------|------------|--------------------|
| Sodium Nitrite  | 7632-00-0  | >98                |

### 4. FIRST AID MEASURES

**4.1 Description of Necessary First Aid Measures**

**Ingestion:** May cause methaemoglobin formation in the blood, (this results in poor oxygen supply to the body), motor activity changes, coma, decreased blood pressure, dialation of the veins and arteries, nausea and vomiting. Immediately rinse mouth thoroughly with water and give plenty of water to drink provided subject is completely conscious. Do NOT induce vomiting. Seek immediate medical assistance without delay.

**Eye:** May cause slight irritation

**Skin:** Not irritating to the skin.

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if symptoms persist.

**4.2 Medical Attention and Special Treatment**

**First Aid Facilities:** Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Comments:** Treat according to person's condition and specifics of exposure.

**Advice to Doctor:** Consult Poisons Information Centre Ph : 13 11 26. Ensure skin is thoroughly irrigated to remove all traces of product and thus avoid any possible reaction with locally applied medication.

### 5. FIRE FIGHTING MEASURES

**5.1 Suitable extinguishing media:** There is no restriction on the type of extinguisher which may be used.

**5.2 Unusual fire and explosion hazards:** Heat may cause evolution of corrosive fumes

**5.3 Special protective equipment:** Wear self-contained breathing apparatus and protective gear to minimise risk of exposure to vapour or products of combustion.



## MATERIAL SAFETY DATA SHEET

### 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** Protective gloves and safety glasses should be worn..
- 6.2 Environmental precautions:** Prevent from entering into drains, native or natural environments, ie river systems
- 6.3 Methods and materials for containment and cleaning up:** Clean up spills immediately. Wear appropriate protective clothing. Sweep up, but avoid generating dust. Small spills may be diluted and flushed to drain with a large excess of water. Remove immediately to avoid staining or damaging surfaces. Material can be disposed according to local regulation

### 7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:** Do not store or transport with ammonium salts (any form of ammonium nitrate).
- 7.2 Conditions for Safe Storage, Including Any Incompatibilities:**  
Store away from sources of heat or ignition. Store away from foodstuffs and keep containers closed at all times.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** Oral LD50 (rat) : 85 - 235 mg/kg/bw  
Oral Lowest Toxic Dose (human): 14 mg/kg
- 8.2 Biological Limit Values:** No biological limit allocated.
- 8.3 Engineering Controls:** Keep containers closed when not in use. Adequate general and local ventilation is required.
- 8.4 Personal Protective Equipment:** Gloves. Safety Glasses, goggles or face shield.
- Conditions to Avoid : Use only as directed and do not use outside the clinical environment.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance .....: White to straw coloured tablet or powder.
- Odour.....: Odourless
- Melting Point (oC) .....: 280
- Vapour Pressure .....: Not applicable
- Specific Gravity .....: 2.1
- Flammability Limits (%) .....: Not available
- pH of Solution .....: 8 to 9



## MATERIAL SAFETY DATA SHEET

Solubility in Water (g/mL) ..: 0.8

Other Properties .....: Oxidising Agent

### 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Strong oxidizing agent. Non combustible material, but will support combustion of other materials.

**10.2 Chemical Stability:** Use only as directed and do not use outside the clinical environment

**10.3 Conditions To Avoid:** Stable under normal use conditions.

**10.4 Incompatible Materials and Possible Hazardous Reactions:** ammonium salts (any form of ammonium nitrate)

**10.5 Hazardous Decomposition Products:** On contact with metals. On heating to decomposition, could yield toxic fumes of fluorides. Attacks glass and other silicon containing compounds.

**10.6 Hazardous Polymerisation:** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

**11.1 Likely Route of Exposure:** [X] Inhalation [X] Skin contact [X] Ingestion

**11.2 Health Effects From Likely Route of Exposure:**

#### Acute

**Ingestion:** Toxic if swallowed

**Eye:** May cause irritatuin to eyes

**Skin:** n/a.

**Inhalation:** Inhalation of dust may result in respiratory irritation

#### Chronic

**Ingestion:** Nitrites can react with amines either alone or in biological systems to form nitrosamines which have been shown to be carcinogenic in animals.

**Skin:** No irritation to skin

**Inhalation:** May cause extreme irritation of the respiratory tract.

### 12. ECOLOGICAL INFORMATION

**12.1 Ecotoxicity:** This material is expected to be slightly toxic to aquatic life.

**12.2 Persistence and Degradability:** No data available.

**12.3 Bioaccumulation Potential:** No information available

**12.4 Mobility in Soil:** If the pH > 6.5, the soil can bind fluorides tightly. High calcium content will immobilize fluorides, which can be damaging to plants when present in acid soils.

**12.5 Other Adverse Effects:** No recognized unusual toxicity to plants or animals.



## MATERIAL SAFETY DATA SHEET

### 13. DISPOSAL CONSIDERATIONS

**13.1 Disposal Method:** Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

**13.2 Disposal of Contaminated Packaging:** Recycle /reconditioned at an approved facility..

**13.3 Environmental Regulations:** Not relevant.

### 14. TRANSPORT INFORMATION

U.N. Number : 1790

Hazchem Code : 2[X]E.

CAS Number : None

Dangerous Goods Class : 8

Subsidiary Risk : None

Pack. Group: II



### 15. REGULATORY INFORMATION

**15.1 SUSDP Poisons Schedule:** S7

**15.2 Prohibition / Licensing Requirements:** N/A

**15.3 Industrial Chemicals (Notification and Assessment) Act 1989:** Listed in the Australian Inventory of Chemical Substances (AICS)

### 16. OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for professional dental use only.

**This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. No warranty, either expressed or implied, is made with respect to the information or the product to which the information refers. Each user must review this MSDS in the context of how the product will be handled and used in the workplace.**

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