



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DART - AntiRust Tablets

Product Code : DL2401- DART Tablets (100 x 1g Tablets)

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 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

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

Classification of the chemical:

Oxidising solids - Category 3

Acute Oral Toxicity - Category 4

Eye Irritation - Category 2A

SIGNAL WORD: WARNING



Hazard Statement(s):

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H319 Causes serious eye irritation. Substance No: 000031030401

Precautionary Statement(s):

Prevention: P102 Keep out of reach of children.

P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.

P220 Keep and store away from clothing, incompatible materials, combustible materials.

P221 Take any precaution to avoid mixing with combustibles / incompatible materials.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves / protective clothing / eye protection / face protection Product is corrosive and may cause destruction of tissue or burns if in contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion (% w/v)</u>
Sodium Nitrite	7632-00-0	> 98%



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4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

- Swallowed:** Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek immediate medical assistance.
- Eye (Contact):** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.
- Skin (Contact):** Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
- Inhaled:** Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.
- First Aid Facilities:** Rubber or plastic gloves and safety glasses should be used when handling the product. Eye wash facilities should be provided in the work place.
- Advise to Doctor :** Treat as for exposure to nitrites.

5. FIRE FIGHTING MEASURES

Extinguishing Media

There is no restriction on the type of extinguisher which may be used.

Fire/Explosion Hazard

Unusual Fire and Explosion Hazards: Heat may cause evolution of corrosive fumes.

Special protective equipment:

Wear approved respirator and protective gear. Use water spray to cool containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Gloves and safety glasses should be worn when handling product.

Environmental precautions: Prevent large spillage from entering waterways, drains or sewage system.

Methods and materials for containment and cleaning up: Clean up spills immediately. Wear suitable protective clothing. Remove spills using plenty of water and a soft sponge or towel. Remove immediately to avoid staining or damaging surfaces. Material can be disposed according to local regulation.

7. HANDLING AND STORAGE

Handling: Ensure cap for the Jar is replaced and tightly closed immediately after use.

Storage: Stored in a cool, dry place and out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs and keep containers closed at all times.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Standards :** Oral LD50 (rat) : 85 - 235 mg/kg/bw
Oral Lowest Toxic Dose (human): 14 mg/kg
- Respiratory protection:** Not required under normal conditions of use.
- Hand protection:** Rubber, latex or PVC gloves.
- Eye protection:** Safety glasses, goggles or face shield.
- General safety and hygiene measures:** Follow good housekeeping practices and good industrial hygiene in handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to straw coloured tablet

Odour.....: Odourless

Boiling Point (°C): Not applicable

Melting point (°C): 280 °C

Vapour Pressure: Not available

Specific Gravity: ~ 2.1 g/mL

Flammability Limits (%) ...: Not available

pH of Solution: 8.0 to 9.0

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

Other Properties: Oxidising Agent

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Condition to avoid: Avoid excessive heat.

Hazardous decomposition products: No data available.

Hazardous reactivity (polymerization): Does not occur.



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11. TOXICOLOGICAL INFORMATION

Toxic

Acute

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 and nausea and vomiting.

Eye : May cause slight irritation.

Skin : Not irritating to the skin.

Inhaled : Inhalation of dust may result in respiratory irritation. Absorption by inhalation may cause dilation of blood vessels by direct smooth muscle relaxation and may also cause methaemoglobinaemia. Symptoms of mild poisoning include dizziness, headache, vomiting, shortness of breath and blueness of the lips and skin.

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

12. ECOLOGICAL INFORMATION

Self Assessment: Hazardous for water. Do not allow large quantities to reach sewage System and waterways

13. DISPOSAL CONSIDERATIONS

Disposal 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.



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14. TRANSPORT INFORMATION

UN No: 1498 Transport Hazard Class: 5.1 Oxidizing Agent
Packing Group: III
Proper Shipping Name or Technical Name: SODIUM NITRATE
Hazchem or Emergency Action Code: 1Z

This product is considered to be a dangerous good within the meaning of transportation regulations.
Do not transport with ammonium salts (any form of ammonium nitrate).

15. REGULATORY INFORMATION

Classification: This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.
Version: 5 Classification of the chemical: Oxidising solids - Category 3 Acute Oral Toxicity - Category 4
Eye Irritation - Category 2A

16. OTHER INFORMATION

Product is considered safe if used as intended.
Product is intended for professional dental use only.

Literature References No data available.

Sources for Data No data available.

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.