

SAFETY DATA SHEET BIODOSE PA

1. IDENTIFICATION

Trade name: Biodose PA

2. COMPOSITION

PREPARATION:

Chemical nature: Polymeric quaternary ammonium chloride in aqueous solution

CAS No: Proprietary product

3. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS:

Adverse human health effects: No specific risk when handled in accordance with good occupational hygiene and safety practice

Physical and chemical hazards: No specific hazard under normal conditions of use

Classification/Specific hazards: According to EEC criteria, this product is not classified as a "hazardous preparation"

4. FIRST-AID MEASURES

Inhalation: Not specifically applicable (aqueous liquid)

Skin contact: Wash immediately with plenty of soap and water. Immediately remove contaminated clothing or footwear

Eye contact: Immediately rinse with water for a prolonged period whilst keeping the eyes wide open. Consult an eye specialist if necessary

Ingestion: Consult a doctor if necessary. If the person is fully conscious, make him/her drink plenty of water. NEVER give an unconscious person anything to drink

5. FIRE-FIGHTING MEASURES

Extinguishable media:

-Suitable: Carbon dioxide (CO₂)

Water spray

Foam

-Not suitable: None to our knowledge. If there is a fire close by, use suitable extinguishing agents

Specific hazards: Aqueous liquid. Does not present any particular risk in the event of a fire

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin and eyes
	Personal protective equipment:
	- suitable protective clothing
	- safety glasses
	- appropriate gloves
	For further information refer to section 8 "Exposure-controls/personal protection"
Environmental precautions:	Do NOT discharge into drains or rivers
Methods for cleaning up:	
-Recovery:	Recover as much of the product as possible
-Cleaning/Decontamination:	Wash the floor with plenty of water

7. HANDLING AND STORAGE

HANDLING

Technical measures: Does not require any specific or particular measures

STORAGE

Technical measures: Does not require any specific or particular measures

Storage conditions:

- Recommended: Store:
- away from food, drinks and animal foodstuffs
 - in a cool area
 - only in the original container

Incompatible products: Strong oxidising agents

Packaging: - plastic drums

Packaging materials:

- Recommended: Plastic materials
- Not suitable: Ordinary steel

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety

Personal protective equipment:

- Hand protection: Protective gloves made of PVC
- Eye protection: Safety spectacles with side shields
- Skin and body protection: Light overall

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

- Physical state: Liquid
- Colour: Colourless to pale yellow
- Odour: Weak
- pH: 5 – 8 (aqueous solution – 1 g/100ml)
- Specific temperatures:
- Boiling: Approx. 100°C
- Flammability characteristics:
- Flash point: > 100°C (Closed cup)
- Oxidising properties: Non oxidising material according to EEC criteria.
- Specific gravity: 1.15 g/cm³ at 25°C

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Solubility:

- In water: Miscible (in all proportions)
- In organic solvents: - water miscible solvents

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use

Hazardous reactions:

- Materials to avoid: Reacts with:
 - Strong oxidising agents

- Hazardous decomposition

Products: On thermal decomposition (pyrolysis) releases:
(hydrochloric acid)
(nitrogen oxides)
(Carbon oxides (CO + CO₂))

11. TOXICOLOGY INFORMATION

Acute toxicity: LD₅₀ skin (rat): >2000 mg/kg

LD₅₀ oral (rat): >2000 mg/kg

Local effects: Repeated or prolonged contact may cause slight irritation to the skin.
Slightly irritating to the eyes

12. ECOLOGICAL INFORMATION

Behaviour in the environment:

Destination of the product: Ultimate destination of the product : SOIL and SEDIMENT.

Ecotoxicity:

- Effects on the aquatic environment: LC 50 (Daphnia): 0.25 – 1 ppm
LC 50 (Fish: Lepomis macrochirus) /96h : 1 – 2 ppm
LC 50 (Fish: Salmo gairdneri) / 96h : 1 – 2 ppm

13. DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES:

Destruction/Disposal: Dispose of materials or solids residues at a licensed site.

CONTAMINATED PACKAGING:

Decontamination/cleaning: Rinse with water.

Destruction/Disposal: Recycle following cleaning or dispose of at an authorised site.

NOTE: The user's attention is drawn to the possible existence of local regulations regarding disposal.

14. TRANSPORT INFORMATION

>>International regulations:

Land:

- Rail/road (RID/ADR): UN number: 3082. (*)
Class:9. (*)
Item number : 11°(c). (*)
Hazard identification number:90. (*)
Labelling: 9. (*)

Sea (IMO/IMDG): NOT restricted

Air (ICAO-IATA): NOT restricted

NOTE: The above regulatory prescriptions are those valid on the date of publication of this sheet.

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Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with the Rhone-Poulenc commercial agency.

15. REGULATORY INFORMATION

>>Labelling:

EEC regulations:

- R phrases:

- S phrases:

NOTE:

Mandatory labelling (self-classification) of hazardous preparations:
NOT applicable.

No R phrases

No S phrases

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Uses:

- Recommended uses:

* Update :

Biocides for water treatment.

This sheet was updated (22/06/95)

Subheadings and text which have been modified since the previous version are preceded with an asterix (*).

The safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.

The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it is intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products.

This information is not exhaustive.

This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsible