

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Product Name: pNPP substrate I
Product No.: pNPP-001

Manufacturer/Supplier

Biopanda Diagnostics
 Unit 14, Carrowreagh Business Park
 Carrowreagh Road, Dundonald
 Belfast, BT16 1QQ, United Kingdom
 Tel: +44 (0)2895 438774 Fax: +44 (0)2890 486696
 Email: info@biopanda-diagnostics.com

2. Hazards identification

Based on percentages of hazardous ingredients in this product, this product is not classified as “dangerous” under EU Directives (67/548/EEC and 1999/45/EC).

Potential health effects:

- Skin:** May be harmful if absorbed through skin. May cause skin irritation.
- Eyes:** May cause eye irritation.
- Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.
- Ingestion:** May be harmful if swallowed.

3. Composition/information on ingredients

| Substance | CAS # | EC # | % w/v | Classification according to 67/548/EEC * |
|---|-------------|-------------|-------|--|
| p-Nitrophenyl Phosphate disodium salt | 4264-83-9 | 224-246-5 | <1% | Xi, R36/38, S26-36 |
| Proprietary formulation: no hazardous components above 1% | Proprietary | Proprietary | 99% | Not Classified |

***Refer to Section 16 for details**

4. First aid measures

| Exposure | First aid measure |
|-----------------|--|
| Inhalation | Remove to fresh air. Seek medical attention if feeling unwell. |
| Eye exposure | Wash with copious amounts of water with eyelids held open. Seek medical attention if irritation develops. |
| Ingestion | Seek medical attention immediately. Do not induce vomiting. |
| Skin exposure | Wash with copious amounts of water. Remove contaminated clothing. Seek medical attention if irritation develops. |

5. Fire fighting measures

Suitable extinguishing media: Water, foam, carbon dioxide or dry chemical powder
Fire fighting procedure: Wear full protective clothing including breathing apparatus if necessary. Toxic gases and vapours may be released in a fire.

6. Accidental release measures

Contain and recover liquid when possible. Take up with liquid-absorbent material or absorb with fluid binders and dispose of suitably. There is no restriction of the spilled substance.

7. Handling and storage

Handling information: No requirements

Storage information: Store at 2-8°C away from light.

8. Exposure controls/personal protection

This product contains no substances with occupational exposure limits.

Personal protection equipment:

Respiratory protection: None required if ventilation is adequate.

Skin protection: Required – wear suitable protective clothing and gloves.

Eye protection: Required – wear safety glasses or goggles.

9. Physical and chemical properties

| | | | |
|------------------------|---------------|-----------------------------|-----------------|
| Physical state: | Liquid | Solubility in water: | Complete |
| Colour: | Pale yellow | Oxidising property: | Not an oxidiser |
| Odour: | Odourless | pH: | 9.5 – 10.5 |
| Viscosity: | Not available | Density: | Not available |
| Boiling point: | Not available | Melting point: | Not available |
| Flammability: | Non-flammable | Flash point: | Not available |

10. Stability and reactivity

Chemically stable under ordinary conditions of use and storage. Avoid exposure to light, elevated temperature and moisture. Avoid strong oxidising agents. Hazardous decomposition products arise only in small concentrations.

11. Toxicological information

The toxicological information for this product has not been investigated and no data is available.

12. Ecological information

No data available.

13. Disposal considerations

There are no uniform EC regulations for the disposal of chemicals. Observe local or regional laws when considering appropriate disposal method. Contact authorities in charge, or approved waste disposal companies for advice.

14. Transport information

This product is non-regulated and non-hazardous for transport.

15. Regulatory information

There are no hazardous ingredients in an amount that requires identification and labelling according to European Communities Directives.

16. Other information

EU Classification:

Hazard Code: Xi = Irritant

Risk Statement (R): 36 = Irritating to the eyes
38 = Irritating to the skin

Safety Statement (S): 26 = In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36 = Wear suitable protective clothing, gloves and eye/face protection.

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