

**MATERIAL SAFETY DATA SHEET**

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

**Product Name:** BCIP/NBT Substrate  
**Product No.:** BN-xxx

**Manufacturer/Supplier**

Biopanda Diagnostics  
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**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 *
Nitroblue tetrazolium	298-83-9	206-067-4	<0.5%	Xi, R36/37/38, S22/25
5-bromo-4-chloro-3-indolyl phosphate	6578-06-9	229-506-1	<0.5%	Not Classified
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

<b>Physical state:</b>	Liquid	<b>Solubility in water:</b>	Complete
<b>Colour:</b>	Pale yellow	<b>Oxidising property:</b>	Not an oxidiser
<b>Odour:</b>	Odourless	<b>pH:</b>	9.5 – 10.5
<b>Viscosity:</b>	Not available	<b>Density:</b>	Not available
<b>Boiling point:</b>	Not available	<b>Melting point:</b>	Not available
<b>Flammability:</b>	Non-flammable	<b>Flash point:</b>	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  
37 = Irritating to the respiratory system  
38 = Irritating to the skin

Safety Statement (S): 22 = Do not breathe dust  
25 = Avoid contact with eyes

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