Section 1: Identification

Product name: NCIP/NBT Substrate System
Product number: TBS5022
Identified uses: Laboratory chemicals.
For research use only.

Company: Tribioscience, Inc
365 San Aleso Ave
Sunnyvale, CA 94085

Phone: 408-498-0197
Email: order@tribioscience.com

Section 2: Hazard(s) Identification

2.1 Classification of the substance or mixture:
The product is not classified as a dangerous or a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements:
Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:
None

Section 3: Composition/ Information on Ingredients

5-bromo-4-chloro-3-indolyl-phosphate (NCIP), nitro blue tetrazolium (NBT), 2-propanol

Section 4: First-Aid Measures

Always seek professional medical attention after first aid measures are provided.

4.1 Eyes: Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.

4.2 Skin: Immediately flush skin with excess water for 15 minutes while removing contaminated clothing.

4.3 Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture:
Nature of decomposition products not known.

5.3 Advice for firefighters:
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information:
No data available.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures:
Isolate leaks provided that there is no additional risk for the people performing this task.

6.2 Environmental precautions:
This product is not classified as hazardous to the environment. Keep products away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

For disposal see section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

For precautions see section 2.2.

7.2 Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature - 20°C.

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters:

Components with workplace control parameters Contains no substances with occupational exposure limit values.

8.2 Exposure controls:

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment:

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves: Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let products enter drains.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance Form: Liquid.
b) Odor: No.
c) Color: No data available.
d) pH: No data available
e) Melting point/freezing point: No data available.
f) Initial boiling point and boiling range: No data available
g) Flash point: No data available.
h) Evaporation rate: No data available.
i) Flammability (solid, gas): No data available.
j) Upper/lower flammability or explosive limits: No data available.
k) Vapour pressure: No data available.
l) Vapour density: No data available.
m) Relative density: No data available.
n) Water solubility: No data available.
o) Partition coefficient: n-octanol/water No data available.
p) Auto-ignition temperature: No data available.
q) Decomposition temperature: No data available.
r) Viscosity: No data available.
s) Explosive properties: No data available.
t) Oxidizing properties: No data available.

9.2 Other safety information: No data available

Section 10: Stability and Reactivity

10.1 Stability: Stable under recommended conditions.
10.2 Incompatibility: Strong oxidizing agents.
10.3 Possibility of hazardous reactions: No data available

Section 11: Toxicological Information

Acute Symptoms/Signs of exposure: ***Eyes***: Stinging pain, watering of eyes, inflammation of eyelids and conjunctivitis. ***Skin***: Not applicable. ***Ingestion***: Not applicable. ***Inhalation***: Not applicable.
Chronic Effects: Note applicable.
Sensitization: none expected.

Section 12: Ecological Information

Ecotoxicity: Ecological impact has not been determined.

Section 13: Disposal Considerations

Waste treatment methods: the product offers surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging: Dispose of as unused products.

Section 14: Transport Information

DOT (US): Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

Section 15: Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards: No SARA Hazards.
California Proposition 65: Not listed.

Other Information

Version:	New
Date of creation	04/17/2024

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The above information is believed to be accurate but shall not to be taken as all inclusive. The information is to be used only as a guide. All materials and mixtures should be treated with unknow hazards and used with caution. Tribioscience, Inc shall not be held liable for any damage resulting from handling or from contact with the above product.