

## BIO BASIC INC.

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### MATERIAL SAFETY DATA SHEET

REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

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#### SECTION 1. ----- CHEMICAL IDENTIFICATION -----

Product name : 2'-Deoxyinosine 5'-monophosphate sodium salt  
Product Number DB7853  
CAS-No. 14999-52-1

#### SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Formula : C<sub>10</sub>H<sub>13</sub>N<sub>4</sub>O<sub>7</sub>P · xNa<sup>+</sup>  
Molecular Weight : 332.21 g/mol  
CAS-No. EC-No. Index-No. Concentration  
5'-Inosinic acid, 2'-deoxy-, disodium salt  
14999-52-1 239-090-3 --

#### SECTION 3. ----- HAZARDS IDENTIFICATION -----

Emergency Overview  
Target Organs  
Damage to the heart., Nerves., Eyes, Liver, Kidney  
WHMIS Classification  
D2B Toxic Material Causing Other Toxic Effects Moderate skin irritant  
Moderate respiratory irritant  
Moderate eye irritant  
HMIS Classification  
Health Hazard: 2  
Chronic Health Hazard: \*  
Flammability: 0  
Physical hazards: 0  
Potential Health Effects  
Inhalation May be harmful if inhaled. Causes respiratory tract irritation.  
Skin May be harmful if absorbed through skin. Causes skin irritation.  
Eyes Causes eye irritation.  
Ingestion May be harmful if swallowed.

#### SECTION 4. ----- FIRST-AID MEASURES -----

General advice  
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  
If inhaled  
If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.  
In case of skin contact  
Wash off with soap and plenty of water. Consult a physician.  
In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### **SECTION 5. ----- FIRE FIGHTING MEASURES -----**

Flammable properties

Flash point no data available

Ignition temperature no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### **SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

#### **SECTION 7. ----- HANDLING AND STORAGE-----**

Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °C.

#### **SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves.

Eye protection

Safety glasses with side-shields conforming to EN166

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----**

Appearance

Form solid

Safety data

pH no data available

Melting point no data available  
Boiling point no data available  
Flash point no data available  
Ignition temperature no data available  
Lower explosion limit no data available  
Upper explosion limit no data available  
Water solubility no data available

#### **SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -**

Storage stability  
Stable under recommended storage conditions.  
Materials to avoid  
Strong oxidizing agents  
Hazardous decomposition products  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx),  
Oxides of phosphorus, Sodium oxides.

#### **SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -**

Acute toxicity  
no data available  
Irritation and corrosion  
no data available  
Sensitisation  
no data available  
Chronic exposure  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
Signs and Symptoms of Exposure  
Central nervous system depression, Nausea, Headache, Vomiting, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  
Potential Health Effects Inhalation May be harmful if inhaled. Causes respiratory tract irritation.  
Skin May be harmful if absorbed through skin. Causes skin irritation.  
Eyes Causes eye irritation.  
Ingestion May be harmful if swallowed.  
Target Organs Damage to the heart., Nerves., Eyes, Liver, Kidney.

#### **SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -**

Elimination information (persistence and degradability)  
no data available  
Ecotoxicity effects  
no data available  
Further information on ecology  
no data available.

#### **SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -**

Product  
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Dispose of as unused product.

#### **SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -**

DOT (US)  
Not dangerous goods  
IMDG  
Not dangerous goods

IATA  
Not dangerous goods

**SECTION 15. ----- REGULATORY INFORMATION -----**

DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

5'-Inosinic acid, 2'-deoxy-, disodium salt

WHMIS Classification

D2B Toxic Material Causing Other Toxic Effects Moderate skin irritant

Moderate respiratory irritant

Moderate eye irritant.

**SECTION 16. ----- OTHER INFORMATION -----**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BBI shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.