

## BIO BASIC INC.

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### MATERIAL SAFETY DATA SHEET

REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

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Dec. 1<sup>st</sup>, 2009

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

Product name : Actin, from rabbit muscle  
Product Number : ALS001041

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

CAS-No. EC-No. Index-No. Concentration  
Actin  
51005-14-2 - - -

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

CAS-No. EC-No. Index-No. Concentration  
Actin  
51005-14-2 - - -

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

WHMIS Classification  
Not WHMIS controlled. Not WHMIS controlled.  
HMIS Classification  
Health Hazard: 0  
Flammability: 0  
Physical hazards: 0  
Potential Health Effects  
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.  
Skin May be harmful if absorbed through skin. May cause skin irritation.  
Eyes May cause eye irritation.  
Ingestion May be harmful if swallowed.  
If inhaled  
If breathed in, move person into fresh air. If not breathing give artificial respiration  
In case of skin contact  
Wash off with soap and plenty of water.  
In case of eye contact  
Flush eyes with water as a precaution.  
If swallowed  
Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### 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  
Avoid dust formation.  
Environmental precautions  
Do not let product enter drains.  
Methods for cleaning up  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

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

##### **Handling**

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: 2 - 8 °C.

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

Contains no substances with occupational exposure limit values.  
Personal protective equipment  
Respiratory protection  
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).  
Hand protection  
For prolonged or repeated contact use protective gloves.  
Eye protection  
Safety glasses  
Hygiene measures  
General industrial hygiene practice.

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

Appearance  
Form powder, lyophilized  
Colour white  
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. - Nature of decomposition products not known.

**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.

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

**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.

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 -----**

Not On TSCA Inventory

Actin

CAS-No.

51005-14-2

DSL Status

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

Actin

CAS-No.

51005-14-2

WHMIS Classification

Not WHMIS controlled. Not WHMIS controlled.

**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.