

# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2022  
Date Updated: December 31, 2022

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

**Product Name** MES Running Buffer for Native-PAGE (Powder)  
**Product Code(s)** SGA0051  
**Recommended Use** For Laboratory Research Use Only  
Not for Human or Animal Drug Use

**Supplier** Bio Basic Asia Pacific Pte Ltd.  
**Address** 2 International Business Park Road  
Strategy #01-04, Singapore 609930  
**Telephone** (+65) 6954 2519  
(+65) 6491 5938  
**Email** sg@biobasic-asia.com

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### Classification of the substance or mixture

Not a hazardous substance or mixture.

### GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

### Safety Phrases

S60 This material and its container must be disposed of as hazardous waste

**Hazards not otherwise classified (HNOC) or not covered by GHS – none**

## SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	CAS-No.
Tris	77-86-1
MES	4432-31-9

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

### Description of first-aid measures

#### If inhaled

If breathed in, move person into fresh air. If symptoms persist, consult a physician.

#### In case of skin contact

Generally the product does not cause irritation to skin.

#### In case of eye contact

Rinse eyes with water for at least 15 minutes. Consult a physician.

#### If swallowed

Induce vomiting. Consult a physician.

### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects and described in the labelling (see section 2) and/or in section 11

### Indication of any immediate medical attention and special treatment needed

No data available

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

### **Extinguishing media**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam

### **Special hazards arising from the substance or mixture**

No data available

### **Advice for firefighters**

Wear self-contained breathing apparatus and protective suit.

### **Further information**

No data available

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

### **Personal precautions, protective equipment and emergency procedures**

For personal protection see section 8

### **Environmental precautions**

Prevent product from entering drains

### **Methods and materials for containment and cleaning up**

Pick up using mechanical aids

### **Reference to other sections**

For disposal see section 13.

### **Additional information**

No data available

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

### **Precautions for safe handling**

For precautions see section 2

### **Conditions for safe storage, including any incompatibilities**

Keep in properly labelled container

### **Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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

### **Personal protective equipment**

#### **General precautions**

Wear personal protective equipment

#### **Hand protection**

Handle with protective gloves

#### **Eye protection**

Safety glasses

#### **Skin protection**

Lightweight protective clothing

#### **Respiratory protection**

Operate in well ventilated space, use respirators if required

#### **Control of environmental exposure**

No special precautions required

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

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

### Information on basic physical and chemical properties

Appearance	Form: Powder
Odour	None
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

### Other safety information

No data available

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

### Reactivity

No data available

### Chemical stability

Stable under normal conditions

### Conditions to avoid

No decomposition if used according to specifications

### Incompatible materials

No data available

### Hazardous decomposition products

No data available

In the event of fire: see section 5

### Hazardous polymerization

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Hazardous polymerization does not occur.

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

### **Acute toxicity**

Tris - LC/LD50 (Oral – Rat) – 5000mg/kg

Sodium dodecyl sulfate – LD50 (Oral – Rat) – 1288mg/kg

### **Skin corrosion/irritation**

No data available

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitisation**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

No data available

### **Reproductive toxicity**

No data available

### **Specific target organ toxicity - single exposure**

No data available

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

### **Additional Information**

No data available

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

### **Toxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Results of PBT and vPvB assessment**

No data available

### **Other adverse effects**

No data available

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

### **Waste treatment methods**

Dispose according to current regional and national rules. Do not allow product to enter sewage system

### **Contaminated packaging**

Dispose of as unused product

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

Not classified as dangerous in the meaning of transport regulations

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

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

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

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

### **Disclaimer**

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**Issuing Date:** 31-Dec-2022

**End of SDS**