

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 MOPS Running Buffer for SDS-PAGE (Powder)
Product Code(s) SGA0040
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
MOPS	1132-61-2
Sodium dodecyl sulfate	151-21-3

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

CO₂, 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

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Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

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 data available

Incompatible materials

No data available

Hazardous decomposition products

No data available

In the event of fire: see section 5

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Hazardous polymerization

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

Inherently biodegradable

Bioaccumulative potential

Does not bioaccumulate

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

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Dispose of as unused product

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

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Issuing Date: 31-Dec-2022

End of SDS