

# 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** SpeedyCut PvuII Restriction Enzyme  
**Product Code(s)** SGRE03100  
**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 -----

**GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)**

No data available

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

### Mixtures

Chemical Name	EC No.	CAS-No	Weight %
SpeedyCut PvuII Restriction Enzyme		No data available	

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

### General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

### If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

### In case of skin contact

Take off contaminated clothing immediately. 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

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

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

No data available

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

No data available

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

### **Suitable extinguishing media**

Fire Extinguishing Agents: Dry chemicals, foam, carbon dioxide (USCG, 1999).

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

No data available

### **Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

### **Further information**

No data available

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

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

Avoid dust formation. Avoid breathing mist, gas or vapors. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

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

### **Precautions for safe handling**

Handling in a well-ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

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

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

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

### **Exposure Controls**

#### **Occupational Exposure limit values**

No data available

#### **Appropriate engineering controls**

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

#### **Personal protective equipment**

##### **Eye/face protection**

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US)

##### **Skin protection**

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### **Respiratory protection**

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator

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

### Information on basic physical and chemical properties

Appearance	Form: clear, liquid
Odor	No data available
Odor 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
Vapor pressure	No data available
Vapor 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
Kinematic Viscosity	No data available
Particle characteristic	No data available

### Other safety information

No data available

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

**Reactivity**

No data available

**Chemical stability**

No data available

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

No data available

**Hazardous decomposition products**

No data available

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

**Acute toxicity**

Oral No data available

Inhalation: No data available

Dermal: No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

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**

RTECS: Not available

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

### **Toxicity**

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to algae: No data available

Toxicity to microorganisms: No data available

### **Persistence and degradability**

No data available

### **Bio accumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

No data available

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

### **Product**

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

### **Contaminated packaging**

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

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

### **UN number**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### **UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### **Transport hazard class(es)**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### **Packing groups, if applicable**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### **Environmental hazards**

ADR/RID: No

IMDG: No

IATA: No

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

Chemical name	Common names and synonyms	CAS number	EC number
-	SpeedyCut PvuII Restriction Enzyme	-	-
<b>European Inventory of Existing Commercial Chemical Substances (EINECS)</b>			Not Listed
<b>EC Inventory</b>			Not Listed
<b>United States Toxic Substances Control Act (TSCA) Inventory</b>			Not Listed
<b>New Zealand Inventory of Chemicals (NZIoC)</b>			Not Listed
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>			Not Listed
<b>Vietnam National Chemical Inventory</b>			Not Listed
<b>Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)</b>			Not Listed
<b>Korea Existing Chemicals List (KECL)</b>			Not Listed

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

### Abbreviations and acronyms

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%

### References

IPCS - The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>

HSDB - Hazardous Substances Data Bank, website: <https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

IARC - International Agency for Research on Cancer, website: <http://www.iarc.fr/>

eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website:

[http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en)

CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>

ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>

ERG - Emergency Response Guidebook by U.S. Department of Transportation, website:

<http://www.phmsa.dot.gov/hazmat/library/erg>

Germany GESTIS-database on hazard substance, website: <http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp>

ECHA - European Chemicals Agency, website: <https://echa.europa.eu/>

### Disclaimer

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. We as

supplier shall not be held liable for any damage resulting from handling or from contact with the above product

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

**End of SDS**