SECTION 1: Identification of the substance / mixture and of the company /undertaking

1.1 Product identifiers

Product name:	**Group Safety Data Sheet for BPP Bioportide™**
Other trade names:	BPP Bioportide™ Bacterial Transformation Kit for *E. coli* BPP Bioportide™ Bacterial Transformation Kit for *Cyanobacteria* BPP Bioportide™ Fungal Transformation Kit for *Ascomycota* BPP Bioportide™ 10x Exploration Kit for Transformation of Fungi, gram-negative bacteria, for gram-positive bacteria Old names: BPP Bioportide Test Kit / BPP Bioportide 10 warhead Test Kit BPP Bioportide™ 10x Selection Test Kit for Fungi, for Plant, for gram-negative bacteria, for gram-positive bacteria
Product number:	01BP-T / 10BP-WH / 10BP-*(single number)* BPort-001-10R, BPort-001-30R, BPort-001-50R, BPort-001-100R, BPort-002-10R, BPort-002-30R, BPort-002-50R, BPort-002-100R, BPort-003-10R, BPort-S10F, BPort-S10GNB, BPort-S10GPB, BPort-S10P
REACH-No.:	A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.
CAS-No.:	-

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses:	This product is intended exclusively for research and development purposes.

1.3 Details of the supplier of the safety data sheet

Company:	Better Peptides Platform GmbH Waldshuter Straße 5 D-68239 Mannheim
Telephone:	+49 (0) 6221 4263940
E-mail address:	service@bpp-peptides.com

1.4 Emergency telephone

Emergency Phone #:	**Vergiftungs-Informations-Zentrale Freiburg** **Tel. +49 761 19240**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
No safety data sheet is required according to Article 31 of the REACH Regulation. This document is provided to simplify the provision of information.

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

None.

SECTION 3: Composition / information on ingredients

3.1 Substances

Formula: recombinant protein
CAS-No.: -
No components need to be disclosed according to the applicable regulations.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

In case of eye contact: Rinse out immediately with plenty of water as a precaution for at least 15 minutes, also under the eyelids.
Remove contact lenses.

In case of skin contact: Rinse immediately with plenty of water as a precaution for at least 15 minutes. Seek medical help if symptoms occur.

If swallowed: Rinse mouth with water and then drink plenty of water.
Seek medical help if symptoms occur.

If inhaled: If breathed in, move person into fresh air.
Seek medical help if symptoms occur.

Self-protection of the first aider:	No special measures required.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:	Use firefighting measures that are adapted to the local conditions and the environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing Media:	For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition may lead to the release of irritating gases and vapors.
Hazardous combustion products: Carbon monoxide (CO), carbon dioxide (CO2), nitrogen oxides (NOx).

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Wear suitable protective clothing if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use the prescribed personal protective equipment.
Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not release product into the environment. See section 12 for additional environmental information.

6.3. Methods and materials for containment and cleaning up

Wipe up and transfer to suitable and sealed containers for disposal. Avoid generation of dust.

6.4 Reference to other sections

For protective measures see section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear protective equipment / face protection. Provide appropriate ventilation. Avoid eye contact, skin contact or contact with clothing. Do not ingest or inhale. Avoid generation of dust.

Hygiene measures

Handle product in accordance with good laboratory and safety practices.
Keep away from food, drink and animal feed. Do not eat, drink or smoke when using.
Remove contaminated clothing and gloves and wash before reuse, including the inside. Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep vials tightly closed in the freezer at -20°C.
Storage class:	Storage class (TRGS 510): 11: Combustible Solids

7.3 Specific end use(s)

Use in laboratories. This product is intended exclusively for research and development purposes. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure control / personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limits.

8.2 Exposure controls

Technical control equipment:
None known under normal conditions of use.

Personal protective equipment:

Eye/face protection:	Wear safety googles. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
Skin protection:	Wear protective gloves. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Minimum requirements: Nitrile-rubber, Neoprene, PVC or natural rubber

Handle with gloves. Gloves must be inspected prior to use. Please observe the glove supplier's instructions with regard to permeability and breakthrough time. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection:	Long-armed clothing
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).

Control of environmental exposure:
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	powder, lyophilized

Color:	White – off-white
Odor:	No data available.
Odor threshold:	No data available.
Melting point/range:	No data available.
Softening point:	No data available.
Boiling point/range:	No data available.
Flammability (liquid):	n.a. – solid matter
Flammability (solid, gas):	No data available.
Upper/lower flammability or explosive limits:	No data available.
Flash point:	No data available.
Autoignition temperature:	No data available.
Decomposition temperature:	No data available.
pH:	n.a.
Viscosity:	n.a.
Water solubility:	No data available.
Partition coefficient n-octanol/water:	No data available.
Vapor pressure:	No data available.
Density / Relative density:	No data available.
Bulk density:	No data available.
Vapor density:	n.a.
Particle characteristics:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

In the event of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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.
Symptoms / effects, acute and delayed		No data available.

11.2 Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

No data available.
Ecological toxicity: Contains no substances that are known to be hazardous to the environment or that are not degraded in sewage treatment plants.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number

ADR/RID: - IMDG: - IATA-DGR: - ICAO-TI: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA-DGR: Not dangerous goods
ICAO-TI: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA-DGR: - ICAO-TI: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA-DGR: - ICAO-TI: -

14.5 Environmental hazards

ADR/RID / IMDG: no
ICAO-TI / IATA-DGR: no

14.6 Special precautions for user

No data available.
Further Information: Not classified as dangerous in the meaning of transport regulations.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable, packaged goods.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific fort the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: Other information

Full text of other abbreviations

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
CAS - Chemical Abstracts Service
DGR – Dangerous Goods Regulations
IATA - International Air Transport Association
ICAO-TI – International Civil Aviation Organization – Technical Instructions
IMDG – International Maritime Dangerous Goods
IMO – International Maritime Organization
IT – Technical Instructions
PBT - Persistent, Bioaccumulative and Toxic substance
REACH – Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
TRGS – Technical Rules for Hazardous Substances
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

Further information

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