

# Safety Data Sheet

according to regulation (EC) No 1907/2006

Product name: IBA plasmids  
Version: 2.1  
Revision date: 05.03.2021



## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

|                        |                                     |                        |
|------------------------|-------------------------------------|------------------------|
| <b>Product Name:</b>   | IBA plasmids                        |                        |
| <b>Product Number:</b> | pASK                                | 2-13xx-xxx, 2-14xx-xxx |
|                        | pEXPR                               | 2-19xx-xxx             |
|                        | pCFUSE                              | 2-1630-xxx             |
|                        | pNFUSE                              | 2-163x-xxx             |
|                        | pKOSG                               | 5-1650-xxx             |
|                        | pXSG                                | 5-1653-xxx             |
|                        | pAro-SG                             | 5-1658-xxx             |
|                        | pBad-SG                             | 5-1659-xxx             |
|                        | pTac-SG                             | 5-1660-xxx             |
|                        | pPSG-SG                             | 5-1673-xxx             |
|                        | pASG                                | 5-4xxx-xxx             |
|                        | pENTRY                              | 5-409x-xxx             |
|                        | pPSG                                | 5-42xx-xxx, 5-43xx-xxx |
|                        | pESG                                | 5-44xx-xxx, 5-45xx-xxx |
|                        | pYSG                                | 5-46xx-xxx, 5-47xx-xxx |
|                        | pLSG                                | 5-48xx-xxx, 5-49xx-xxx |
|                        | pCSG                                | 5-50xx-xxx, 5-51xx-xxx |
|                        | pDSG                                | 5-52xx-xxx             |
|                        | E. coli PPI Control Donor Vector    | 2-1009-000             |
|                        | Mammalian PPI Control Donor Vector  | 2-1010-000             |
|                        | StarGate Combi Control Donor vector | 5-1636-000             |

### Registration Number:

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

### 1.2 Relevant identified uses of the substance or mixture

laboratory chemical

### and uses advised against:

No relevant information available.

### 1.3 Details of the supplier of the safety data sheet

**Supplier:** IBA GmbH  
Rudolf-Wissell-Str. 28  
37079 Göttingen  
Germany

**Telephone:** +49-551-50672- 0

**E-mail:** info@iba-lifesciences.com

## 1.4 Emergency Telephone Number

**Emergency Phone:** +49 (0)551/ 19240 (Poison Information Center Göttingen)

## 2 Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]** not hazardous

### 2.2 Label elements

**Labeling according to Regulation (EC) No 1272/2008 [CLP]** n/a

### 2.3 Other hazards

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

## 3 Composition/Information on ingredients

### 3.2 Chemical characterization: Mixtures

#### Description of product:

IBA plasmids (vectors) are dissolved in TE Buffer.

#### Hazardous components according to Regulation (EC) No 1272/2008 [CLP]:

| Component                                   | CAS-No    | %        | Classification acc. to (EC) 1972/2008                      |
|---|-----------|----------|--|
| Tris  | 77-86-1   | > 2,0 %  | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3<br>H315, H319, H335 |
| EDTA (Ethylenedia-<br>minetetraacetic acid) | 6381-92-6 | > 0,05 % | Acute Tox. 4 (inhal.), STOT RE 2<br>H332, H372             |

## 4 First aid measures

### 4.1 Description of first aid measures



**After inhalation:** Provide fresh air. If feeling unwell, consult a physician.

**After skin contact:** Wash with plenty of soap and water. If skin irritation occurs, consult a physician.

**After eye contact:** Flush eyes with water for at least 10 minutes. If irritation persists, consult a physician.

**After ingestion:** Rinse mouth and drink water if conscious. If feeling unwell, consult a physician.

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

No relevant information available.

### 4.3 Indications of any immediate medical attention and special treatment needed

No relevant information available.

## 5 Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

CO<sub>2</sub>, dry extinguishing powder, foam, or water spray.

### **Unsuitable extinguishing media**

No relevant information available.

### **5.2 Special hazards arising from the substance of mixture**

No relevant information available.

### **5.3 Advice for firefighters**

No relevant information available.

## **6 Accidental release measures**

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

Wear suitable protective equipment.

Avoid eye and skin contact.

Provide suitable ventilation.

### **6.2 Environmental precautions**

Do not let product enter drains.

### **6.3 Methods and material for containment and cleaning up**

Take up mechanically.

Place in appropriate containers for disposal.

### **6.4 Reference to other sections**

Information about safe handling: see section 7.

Information about protective equipment: see section 8.

Information for disposal: see section 13.

## **7 Handling and storage**

### **7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

Keep containers, equipment, and workplace clean.

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

**Storage rooms and containers:** No special requirements.

**Incompatible substances or mixtures:** Keep away from food and drink.

**Consideration of other advice:** Keep containers tightly closed.

**Recommended storage temperature:** -25 – -15 °C

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

No relevant information available.

## **8 Exposure controls/personal protection**

### **8.1 Control parameters**

**Components with workplace control parameters:** none

### **8.2 Exposure controls**

#### **General precautionary and hygiene measures**

The usual precautions for handling chemicals should be observed.

Avoid contact with eyes and skin.

Wash hands before breaks and after work.

### 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

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Inspect gloves prior to each use. Choose suitable gloves according to break through time, permeation rate and material degradation.

#### Glove material

Nitrile rubber, minimum layer thickness:  $\geq 0,11$  mm

The suitability of gloves depends on several quality characteristic besides the material. It may differ from one supplier to another.

#### Break through time

Break through level: Level  $\geq 6$

The exact break through time should be inquired from the supplier and should be observed.

### Eye protection

Use safety goggles with side protection.

### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                   |
|---|-------------------|
| <b>Appearance:</b>                              | clear liquid      |
| <b>Odor:</b>                                    | odorless          |
| <b>Odor threshold:</b>                          | no data available |
| <b>pH:</b>                                      | no data available |
| <b>Melting point:</b>                           | no data available |
| <b>Freezing point:</b>                          | no data available |
| <b>Initial boiling point and boiling range:</b> | no data available |
| <b>Flash point:</b>                             | no data available |
| <b>Evaporation rate:</b>                        | no data available |
| <b>Upper/lower explosive limits:</b>            | no data available |
| <b>Vapor pressure:</b>                          | no data available |
| <b>Vapor density:</b>                           | no data available |
| <b>Relative density:</b>                        | no data available |
| <b>Water solubility:</b>                        | no data available |
| <b>Partition coefficient (n-octanol/water):</b> | no data available |
| <b>Viscosity:</b>                               | no data available |
| <b>Explosive properties:</b>                    | not explosive     |
| <b>Oxidizing properties:</b>                    | not oxidizing     |

### 9.2 Other safety information

No further relevant information available.

## **10 Stability and reactivity**

### **10.1 Reactivity**

See section 10.3

### **10.2 Chemical stability**

Stable under recommended storage conditions.

### **10.3 Possibility of hazardous reactions**

No relevant information available.

### **10.4 Conditions to avoid**

No relevant information available.

### **10.5 Incompatible materials**

No relevant information available.

### **10.6 Hazardous decomposition products**

Possible formation of hydrogen chloride, carbon dioxide, carbon monoxide and nitrogen oxides.

## **11 Toxicological information**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

No relevant information available.

#### **Skin corrosion/irritation**

No relevant information available.

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

No relevant information available.

#### **Respiratory or skin sensitization.**

No relevant information available.

#### **Germ cell mutagenicity**

No relevant information available.

#### **Carcinogenicity**

No relevant information available.

#### **Reproductive toxicity**

No relevant information available.

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

No relevant information available.

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

No relevant information available.

#### **Aspiration hazard**

No relevant information available.

## **12 Ecological information**

## 12.1 Toxicity

No relevant information available.

## 12.2 Persistence and degradability

No relevant information available.

## 12.3 Bioaccumulative potential

No relevant information available.

## 12.4 Mobility in soil

No relevant information available.

## 12.5 Results of PBT- and vPvB-assessment

No relevant information available.

## 12.6 Other adverse effects

No relevant information available.

## 13 Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation for product:

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

#### Contaminated packaging:

Dispose of as unused product.

## 14 Transport information

### 14.1 UN-Number

ADR/RID: -                           IMDG: -                           IATA: -

### 14.2 UN proper shipping name

ADR/RID: not dangerous goods   IMDG: not dangerous goods-   IATA: not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -                           IMDG: -                           IATA: -

### 14.4 Packaging group

ADR/RID: -                           IMDG: -                           IATA: -

### 14.5 Environmental hazards

ADR/RID: no                           IMDG: marine pollutant: no   IATA: no

### 14.6 Special precaution for user

No relevant information available.

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC code

No relevant information available.

## **15 Regulatory Information**

### **15.1 Safety, health and environmental regulation specific for the substance or mixture**

#### **National regulations:**

No relevant information available.

### **15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance / mixture.

## **16 Other information**

The above information is based on our present-day knowledge. It does not represent any guarantee of the properties of the product, not guarantee specific properties of the product and shall not establish a legally valid contractual relationship.

## **17 Changes to Version 2.0 (from 01.11.2015)**

The information on the MSDS has been checked and found to be still up to date. The document was revised to satisfy laws in some countries that require regular updates.