

# MATERIAL SAFETY DATA SHEET



according to Regulation (EC) No. 1907/2006

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## **β Gal-Juice 103311**

<b>Name</b>	<b>Description</b>	<b>Amount</b>	<b>Symbol</b>
β Gal-Juice		1	---
Triggering reagent		1	---

## **β Gal-Juice PLUS 103312**

<b>Name</b>	<b>Description</b>	<b>Amount</b>	<b>Symbol</b>
β Gal-Juice		1	---
Triggering reagent		1	---



PJK GmbH

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

### **Product identifier**

**Trade name:** *β Gal-Juice*

**Article number:** *103311/103312*

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

**Application of the substance / the preparation** *Laboratory chemical*

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

*PJK GmbH*

*Elsaesser Strasse 51*

*66271 Kleinblittersdorf*

*Germany*

*Phone: +49 (0)6805 91 20 22*

*Fax: +49 (0)6805 91 20 24*

*info@pjk-gmbh.com*

**Further information obtainable from:** *Department Health, Safety and Environment*

**Emergency telephone number:** *Poison Centre Munich Telefon +49/(0)89 19240*

## 2 Hazards identification

### **Classification of the substance or mixture**

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

*This substance is not classified as dangerous according to Directive 67/548/EEC.*

### **Label elements**

*The product does not need to be labelled in accordance with EC directives or respective national laws.*

**Other hazards** - *none*

## 3 Composition/information on ingredients

**Chemical characterisation:** *Mixture*

### **Substances**

*1,2-dioxetane-ene in buffer*

**Components:** *Void*

## 4 First aid measures

### **Description of first aid measures**

#### **If inhaled**

*If breathed in, move person into fresh air. If not breathing, give artificial respiration.*

#### **In case of skin contact**

*Wash off with soap and plenty of water.*

#### **In case of eye contact**

*Flush eyes with water as a precaution.*

#### **If swallowed**

*Never give anything by mouth to an unconscious person. Rinse mouth with water.*

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

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

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

*no data available*

## 5 Firefighting measures

### **Extinguishing media**

#### **Suitable extinguishing media**

*Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.*

**Special hazards arising from the substance or mixture** *no data available*

#### **Advice for firefighters**

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## TRADE NAME: $\beta$ GAL-JUICE

*Wear self contained breathing apparatus for fire fighting if necessary.*

### **Further information**

*The product itself does not burn.*

## 6 Accidental release measures

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

*Avoid breathing vapors, mist or gas.*

### **Environmental precautions**

*No special environmental precautions required.*

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

*Keep in suitable, closed containers for disposal.*

## 7 Handling and storage

### **Precautions for safe handling**

*no data available*

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

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

### **Specific end uses**

*no data available*

## 8 Exposure controls/personal protection

### **Control parameters**

### **Components with workplace control parameters**

### **Exposure controls**

### **Appropriate engineering controls**

*General industrial hygiene practice.*

### **Personal protective equipment**

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

*Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).*

#### **Skin protection**

*Handle with gloves. Gloves must be inspected prior to use. 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.*

*The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.*

#### **Body Protection**

*impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.*

#### **Respiratory protection**

*Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).*

## 9 Physical and chemical properties

### **Appearance Form:**

### **Colour:**

### **Odour**

### **Odour Threshold**

### **pH**

### **Melting point/freezing point**

*liquid*

*colourless*

*no data available*

*no data available*

*alkaline*

*no data available*

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**TRADE NAME:**  $\beta$  GAL-JUICE

<b>Initial boiling point and boiling range</b>	<i>no data available</i>
<b>Flash point</b>	<i>not applicable</i>
<b>Evaporation rate</b>	<i>no data available</i>
<b>Flammability (solid, gas)</b>	<i>no data available</i>
<b>Upper/lower flammability or explosive limits</b>	<i>no data available</i>
<b>Vapour pressure</b>	<i>no data available</i>
<b>Vapour density</b>	<i>no data available</i>
<b>Relative density</b>	<i>no data available</i>
<b>Water solubility</b>	<i>completely miscible</i>
<b>Partition coefficient: octanol/ water</b>	<i>no data available</i>
<b>Autoignition temperature</b>	<i>no data available</i>
<b>Decomposition temperature</b>	<i>no data available</i>
<b>Viscosity</b>	<i>no data available</i>
<b>Explosive properties</b>	<i>no data available</i>
<b>Oxidizing properties</b>	<i>no data available</i>
<b>Other safety information</b>	<i>no data available</i>

## 10 Stability and reactivity

<b>Reactivity</b>	<i>no data available</i>
<b>Chemical stability</b>	<i>no data available</i>
<b>Possibility of hazardous reactions</b>	<i>no data available</i>
<b>Conditions to avoid</b>	<i>no data available</i>
<b>Incompatible materials</b>	<i>no data available</i>
<b>Hazardous decomposition products</b>	<i>no data available</i>

## 11 Toxicological information

<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	<i>no data available</i>
<b>Skin corrosion/irritation</b>	<i>no data available</i>
<b>Serious eye damage/eye irritation</b>	<i>no data available</i>
<b>Respiratory or skin sensitization</b>	<i>no data available</i>
<b>Germ cell mutagenicity</b>	<i>no data available</i>
<b>Carcinogenicity</b>	<i>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</i>
<b>Reproductive toxicity</b>	<i>no data available</i>
<b>Specific target organ toxicity - single exposure</b>	<i>no data available</i>
<b>Specific target organ toxicity - repeated exposure</b>	<i>no data available</i>

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**TRADE NAME:**  $\beta$  GAL-JUICE

**Aspiration hazard**

*no data available*

**Potential health effects**

**Inhalation** *May be harmful if inhaled. May cause respiratory tract irritation.*

**Ingestion** *May be harmful if swallowed.*

**Skin** *May be harmful if absorbed through skin. May cause skin irritation.*

**Eyes** *May cause eye irritation.*

**Signs and Symptoms of Exposure**

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

## 12 Ecological information

**Toxicity**

*no data available*

**Persistence and degradability**

*not applicable*

**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*

## 13 Disposal considerations

**Waste treatment methods**

**Recommendation**

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

**Uncleaned packaging:**

**Recommendation:** *Disposal according to official regulations.*

## 14 Transport information

**UN number**

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name**

ADR/RID: *Not dangerous goods*

IMDG: *Not dangerous goods*

IATA: *Not dangerous goods*

**Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: *no*

IMDG *Marine pollutant: no*

IATA: *no*

**Special precautions for user**

*no data available*

## 15 Regulatory information

*This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.*

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
*no data available*

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**TRADE NAME:  $\beta$  GAL-JUICE**

***Chemical Safety Assessment***

*no data available*

## **16 Other information**

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

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

### **Product identifier**

**Trade name:** *Triggering reagent*

**Article number:** *103311/103312  $\beta$  Gal-Juice*

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

**Application of the substance / the preparation** *Laboratory chemical*

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

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*Elsaesser Strasse 51*

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## 2 Hazards identification

### **Classification of the substance or mixture**

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

*This substance is not classified as dangerous according to Directive 67/548/EEC.*

### **Label elements**

*The product does not need to be labelled in accordance with EC directives or respective national laws.*

**Other hazards** - *none*

## 3 Composition/information on ingredients

**Chemical characterisation:** *Mixture*

**Substances**

**Components:** *Void*

## 4 First aid measures

### **Description of first aid measures**

#### **If inhaled**

*If breathed in, move person into fresh air. If not breathing, give artificial respiration.*

#### **In case of skin contact**

*Wash off with soap and plenty of water.*

#### **In case of eye contact**

*Flush eyes with water as a precaution.*

#### **If swallowed**

*Never give anything by mouth to an unconscious person. Rinse mouth with water.*

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

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

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

*no data available*

## 5 Firefighting measures

### **Extinguishing media**

#### **Suitable extinguishing media**

*Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.*

**Special hazards arising from the substance or mixture** *no data available*

#### **Advice for firefighters**

*Wear self contained breathing apparatus for fire fighting if necessary.*

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**TRADE NAME: TRIGGERING REAGENT**

**Further information**

*The product itself does not burn.*

**6 Accidental release measures**

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

*Avoid breathing vapors, mist or gas.*

**Environmental precautions**

*No special environmental precautions required.*

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

*Keep in suitable, closed containers for disposal.*

**7 Handling and storage**

**Precautions for safe handling**

*no data available*

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

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

**Specific end uses**

*no data available*

**8 Exposure controls/personal protection**

**Control parameters**

**Components with workplace control parameters**

**Exposure controls**

**Appropriate engineering controls**

*General industrial hygiene practice.*

**Personal protective equipment**

**Eye/face protection**

*Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).*

**Skin protection**

*Handle with gloves. Gloves must be inspected prior to use. 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.*

*The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.*

**Body Protection**

*impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.*

**Respiratory protection**

*Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).*

**9 Physical and chemical properties**

**Appearance Form:**

*liquid*

**Colour:**

*colourless*

**Odour**

*no data available*

**Odour Threshold**

*no data available*

**pH**

*alkaline*

**Melting point/freezing point**

*no data available*

**Initial boiling point and boiling range**

*no data available*

**Flash point**

*not applicable*

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## TRADE NAME: TRIGGERING REAGENT

<b>Evaporation rate</b>	<i>no data available</i>
<b>Flammability (solid, gas)</b>	<i>no data available</i>
<b>Upper/lower flammability or explosive limits</b>	<i>no data available</i>
<b>Vapour pressure</b>	<i>no data available</i>
<b>Vapour density</b>	<i>no data available</i>
<b>Relative density</b>	<i>no data available</i>
<b>Water solubility</b>	<i>completely miscible</i>
<b>Partition coefficient: noctanol/ water</b>	<i>no data available</i>
<b>Autoignition temperature</b>	<i>no data available</i>
<b>Decomposition temperature</b>	<i>no data available</i>
<b>Viscosity</b>	<i>no data available</i>
<b>Explosive properties</b>	<i>no data available</i>
<b>Oxidizing properties</b>	<i>no data available</i>
<b>Other safety information</b>	<i>no data available</i>

## 10 Stability and reactivity

<b>Reactivity</b>	<i>no data available</i>
<b>Chemical stability</b>	<i>no data available</i>
<b>Possibility of hazardous reactions</b>	<i>no data available</i>
<b>Conditions to avoid</b>	<i>no data available</i>
<b>Incompatible materials</b>	<i>no data available</i>
<b>Hazardous decomposition products</b>	<i>no data available</i>

## 11 Toxicological information

<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	<i>no data available</i>
<b>Skin corrosion/irritation</b>	<i>no data available</i>
<b>Serious eye damage/eye irritation</b>	<i>no data available</i>
<b>Respiratory or skin sensitization</b>	<i>no data available</i>
<b>Germ cell mutagenicity</b>	<i>no data available</i>
<b>Carcinogenicity</b>	<i>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</i>
<b>Reproductive toxicity</b>	<i>no data available</i>
<b>Specific target organ toxicity - single exposure</b>	<i>no data available</i>
<b>Specific target organ toxicity - repeated exposure</b>	<i>no data available</i>
<b>Aspiration hazard</b>	<i>no data available</i>

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**TRADE NAME: TRIGGERING REAGENT**

## **Potential health effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

## **Signs and Symptoms of Exposure**

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

## **12 Ecological information**

### **Toxicity**

no data available

### **Persistence and degradability**

not applicable

### **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

## **13 Disposal considerations**

### **Waste treatment methods**

### **Recommendation**

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

### **Uncleaned packaging:**

**Recommendation:** Disposal according to official regulations.

## **14 Transport information**

### **UN number**

ADR/RID: -

IMDG: -

IATA: -

### **UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

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

ADR/RID: -

IMDG: -

IATA: -

### **Packaging group**

ADR/RID: -

IMDG: -

IATA: -

### **Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### **Special precautions for user**

no data available

## **15 Regulatory information**

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

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

### **Chemical Safety Assessment**

no data available

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TRADE NAME: TRIGGERING REAGENT

## 16 Other information

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

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