

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



β Gus-Juice 103322

Name	Description	Amount	Symbol
β Gus-Juice		1	---
Triggering reagent		1	---



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

Product identifier

Trade name: *β Gus-Juice*

Article number: 103322

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

Elseasser 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

Wear self contained breathing apparatus for fire fighting if necessary.

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TRADE NAME: β GUS-JUICE

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

Evaporation rate

no data available

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TRADE NAME: β GUS-JUICE

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	completely miscible
Partition coefficient: noctanol/ water	no data available
Autoignition 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

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

11 Toxicological information

Information on toxicological effects

Acute toxicity

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

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.

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

Potential health effects

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

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TRADE NAME: β GAL-JUICE

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: β GUS-JUICE

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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Product identifier**Trade name:** *Triggering reagent***Article number:** *103322/β Gus-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:***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****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.***Further information**

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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

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Initial boiling point and boiling range

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Flash point

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Evaporation rate

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Flammability (solid, gas)

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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	completely miscible
Partition coefficient: noctanol/ water	no data available
Autoignition 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

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

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Specific target organ toxicity - single exposure

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Specific target organ toxicity - repeated exposure

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Aspiration hazard

no data available

Potential health effects

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Ingestion May be harmful if swallowed.

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TRADE NAME: TRIGGERING REAGENT

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

Eyes May cause eye irritation.

Signs and Symptoms of Exposure

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12 Ecological information

Toxicity

no data available

Persistence and degradability

not applicable

Bioaccumulative potential

no data available

Mobility in soil

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Results of PBT and vPvB assessment

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Other adverse effects

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Waste treatment methods

Recommendation

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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

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

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