

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

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

1.1 Product identifier:

Trade name: GLUKON matrix 200 (Druckbehälter)

UFI: TYS3-A022-U3DN-F4P7

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

No further relevant information available.

Application of the substance / the preparation: Industrial adhesive spray - for industrial use only

1.3 Details of the supplier of the safety data sheet:

Manufacturer/Supplier:

BÖKER Sprühklebersysteme GmbH

Wegkamp 1

24589 Dätgen

Fon +49 (0) 4329-91128-0

Fax +49 (0) 4329-91128-29

E-Mail: info@glukon.de

www.glukon.de

Further information obtainable from: BÖKER Sprühklebersysteme GmbH

1.4 Emergency telephone number:

Giftinformationszentrum-Nord / GIZ-Nord Poisons Centre

Telefon / Phone +49 (0) 551/19240

24h / 7d

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:



GHS02 flame

Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS09 environment

Aquatic Chronic 2 H411

Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3

H336

May cause drowsiness or dizziness.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS02

GHS07

GHS09

Signal word: Danger

Hazard-determining components of labelling:

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

(Contd. on page 2)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

Trade name: GLUKON matrix 200 (Druckbehälter)

(Contd. of page 1)

Hazard statements:

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Restricted to professional users.

Buildup of explosive mixtures possible without sufficient ventilation.

2.3 Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients:

3.2 Mixtures:

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

EC number: 921-024-6	hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	30-60%
Reg.nr.: 01-2119475514-35	☠ Flam. Liq. 2, H225; ☠ Asp. Tox. 1, H304; ☠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	
CAS: 68476-85-7	petroleum gases, liquefied	10-30%
EINECS: 270-704-2	☠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	
CAS: 109-66-0	pentane	5-10%
EINECS: 203-692-4	☠ Flam. Liq. 2, H225; ☠ Asp. Tox. 1, H304; ☠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336, EUH066	
Reg.nr.: 01-2119459286-30		

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures:

4.1 Description of first aid measures:

General information:

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

In cases of frost bites, rinse with plenty of water. Do not remove clothing.

After eye contact:

Rinse opened eye for several minutes under running water.

Call a doctor immediately.

After swallowing: Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed: Frost bites

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

Trade name: **GLUKON matrix 200 (Druckbehälter)**

(Contd. of page 2)

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

SECTION 5: Firefighting measures:

5.1 Extinguishing media:

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture: Can form explosive gas-air mixtures.

5.3 Advice for firefighters:

Protective equipment:

Mouth respiratory protective device.

Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from ignition sources.

Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Keep away from heat and direct sunlight.

Use only in well ventilated areas.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material.

Fumes can combine with air to form an explosive mixture.

Emergency cooling must be available in case of nearby fire.

7.2 Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Observe official regulations on storing packagings with pressurised containers.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

Trade name: **GLUKON matrix 200 (Druckbehälter)**

(Contd. of page 3)

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection:

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

68476-85-7 petroleum gases, liquefied

OEL Short-term value: 2250 mg/m³, 1250 ppm

Long-term value: 1800 mg/m³, 1000 ppm

109-66-0 pentane

OEL Long-term value: 3000 mg/m³, 1000 ppm

IOELV

8.2 Exposure controls:

Appropriate engineering controls: No further data; see item 7.

Individual protection measures, such as personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection: Protective gloves

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

As protection from splashes gloves made of the following materials are suitable:

Fluorocarbon rubber (Viton)

Not suitable are gloves made of the following materials:

Leather gloves

Strong material gloves

Natural rubber, NR

Chloroprene rubber, CR

Nitrile rubber, NBR

Butyl rubber, BR

PVC gloves

Eye/face protection: Tightly sealed goggles

SECTION 9: Physical and chemical properties:

9.1 Information on basic physical and chemical properties:

General Information:

Physical state:

Aerosol

Colour:

Amber coloured

Odour:

Characteristic

Odour threshold:

Not determined.

(Contd. on page 5)

Safety data sheet

 according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

Trade name: GLUKON matrix 200 (Druckbehälter)

(Contd. of page 4)

Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range:	Not applicable, as aerosol.
Flammability:	Not applicable.
Lower and upper explosion limit:	
Lower:	1.4 Vol %
Upper:	10.9 Vol %
Flash point:	Not applicable, as aerosol.
Ignition temperature:	285 °C (109-66-0 pentane)
Decomposition temperature:	Not determined.
pH:	Not determined.
Viscosity:	
Kinematic viscosity:	Not determined.
Dynamic:	Not determined.
Solubility:	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	
Density:	Not determined.
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other information:

Appearance:	
Form:	Aerosol
Important information on protection of health and environment, and on safety.:	
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Solvent content:	
VOC (EC):	548 g/l
Change in condition:	
Evaporation rate:	Not applicable.

Information with regard to physical hazard

classes:	
Explosives:	Void
Flammable gases:	Void
Aerosols:	
Extremely flammable aerosol. Pressurised container:	May burst if heated.
Oxidising gases:	Void
Gases under pressure:	Void
Flammable liquids:	Void
Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water:	Void
Oxidising liquids:	Void
Oxidising solids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

Trade name: **GLUKON matrix 200 (Druckbehälter)**

Desensitised explosives:

Void

(Contd. of page 5)

SECTION 10: Stability and reactivity:

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: Forms explosive gas mixture with air.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information:

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure:

May cause drowsiness or dizziness.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on other hazards:

Endocrine disrupting properties:

None of the ingredients is listed.

SECTION 12: Ecological information:

12.1 Toxicity:

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties:

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects:

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

(Contd. on page 7)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

Trade name: **GLUKON matrix 200 (Druckbehälter)**

(Contd. of page 6)

SECTION 13: Disposal considerations:

13.1 Waste treatment methods:

European waste catalogue:

Dispose of contents/container in accordance with local/regional/national/international regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information:

14.1 UN number or ID number:

ADR, IMDG, IATA

UN3501

14.2 UN proper shipping name:

ADR

3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, PENTANES), ENVIRONMENTALLY HAZARDOUS

IMDG

CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, PENTANES), MARINE POLLUTANT

IATA

CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, PENTANES)

14.3 Transport hazard class(es):

ADR



Class:

2 8F Gases.

Label:

2.1

IMDG



Class:

2 Gases.

Label:

2.1

IATA



Class:

2 Gases.

Label:

2.1

14.4 Packing group:

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Marine pollutant:

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

14.6 Special precautions for user:

Warning: Gases.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

Trade name: **GLUKON matrix 200 (Druckbehälter)**

(Contd. of page 7)

EMS Number: F-D,S-U
Stowage Category: D
Stowage Code: SW2 Clear of living quarters.
14.7 Maritime transport in bulk according to IMO instruments: Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ): 0
Transport category: 2
Tunnel restriction code: B/D
UN "Model Regulation": UN 3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE, PENTANES), 2.1, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information:

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

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: None of the ingredients is listed.

Seveso category:

Hazardous to the Aquatic Environment
FLAMMABLE AEROSOLS
P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements: 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:

None of the ingredients is listed.

REGULATION (EU) 2019/1148:

Regulation (EC) No 273/2004 on drug precursors:

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Department issuing SDS:

ADEEGO GmbH
Wildsteig 4A

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 13.02.2023

Version number: 1.0

Revision: 13.02.2023

Trade name: GLUKON matrix 200 (Druckbehälter)

(Contd. of page 8)

D-42113 Wuppertal
Tel. +49 (0) 202 2575700
Fax. +49 (0) 202 2575701
Email: mail@adeego.de
www.adeego.de

© Copyright by ADEEGO GmbH

Contact: Dr. Axel Deeg

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
