

Safety data sheet according to UK REACH

Printing date 13.07.2026

Version number 1.1 (replaces version 1.0)

Revision: 13.07.2026

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

- **1.1 Product identifier**
- **Trade name:** **GLUKON® matrix 300 (Druckbehälter)**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** For commercial users only
- **Application of the substance / the mixture** Adhesives
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
GLUKON GmbH
Wegkamp 1
24589 Dätgen

Fon: +49 4329 91128 0

info@glukon.de
www.glukon.de
- **Further information obtainable from:** product safety department
- **1.4 Emergency telephone number:**
Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord): +49 551/19 240
Available 24 hours a day

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

Skin Irrit. 2	H315	Causes skin irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

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2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms



GHS02 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

pentane
Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan
acetone

Hazard statements

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

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P391 Collect spillage.

P405 Store locked up.

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:

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.2 Substance

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 115-10-6	dimethyl ether	≥25-≤50%
EINECS: 204-065-8	Flam. Gas 1A, H220; Acute Tox. 1, H330; Press. Gas	
Reg.nr.: 01-2119472158-37	(Comp.), H280	

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CAS: 109-66-0 EINECS: 203-692-4 Reg.nr.: 01-2119459286-30-XXXX	pentane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066	≥10-<25%
EC number: 931-254-9	Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥10-<25%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 Specific concentration limit: STOT SE 3; H336: C ≥ 10 %	1-5%

· **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:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

Take affected persons into fresh air and keep quiet.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse the eye with water for several minutes with the eyelid open. Remove contact lenses beforehand.

Consult a doctor.

· **After swallowing:**

Do not induce vomiting. Rinse out mouth and drink plenty of water. Consult a doctor if symptoms persist.

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

No further relevant information available.

· **Inhale**

Anaesthetic effect

Cough

Tightness in the chest

Feeling of pressure in the chest

Dizziness and intoxication

· **Ingestion** Pain and redness in the mouth and throat

· **Skin contact** Redness, irritation and dry skin

· **Eye contact**

Irritation and redness

Tears in the eyes

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

If the adhesive starts to stick, do not pull the eyelids apart forcefully.

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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**
In case of fire, the following can be released:
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose of contaminated material as waste according to section 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.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
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.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class (TRGS):** 2A
- **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

115-10-6 dimethyl ether

WEL	Short-term value: 958 mg/m ³ , 500 ppm
	Long-term value: 766 mg/m ³ , 400 ppm

109-66-0 pentane

WEL	Long-term value: 1800 mg/m ³ , 600 ppm
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67-64-1 acetone

WEL	Short-term value: 3620 mg/m ³ , 1500 ppm
	Long-term value: 1210 mg/m ³ , 500 ppm

· DNELs

115-10-6 dimethyl ether

Inhalative	DNEL Acute – inhalation, systemic effects	77 mg/m ³ (Worker)
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Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan

Oral	DNEL Long-term - oral, systemic effects	1,301 mg/kg_bw/day (rat)
Dermal	DNEL Long-term – dermal, systemic effects	1,377 mg/kg_bw/d (rat)
Inhalative	DNEL Long-term – inhalation, systemic effects	1,137 mg/m ³ /d (rat)

67-64-1 acetone

Oral	DNEL Long-term - oral, systemic effects	62 mg/kg_bw/day (general public)
Dermal	DNEL Long-term – dermal, systemic effects	186 mg/kg_bw/d (Worker)
		62 mg/kg_bw/d (general public)
Inhalative	DNEL long-term - inhalation local effects	2,420 mg/m ³ (Worker)
	DNEL Long-term – inhalation, systemic effects	1,210 mg/m ³ /d (Worker)
	DNEL Acute inhalation systemic effects	2,420 mg/m ³ (Worker)

· PNECs

115-10-6 dimethyl ether

PNEC short term, fresh water	2 mg/l (Aquatic organisms)
PNEC short term, sea water	0.2 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	9.14 mg/kg (Aquatic organisms)

67-64-1 acetone

PNEC short term, fresh water	10.6 mg/l (Aquatic organisms)
PNEC short term, sea water	1.06 mg/l (Aquatic organisms)
PNEC short term, sewage plant	100 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	30.4 mg/kg (Aquatic organisms)
PNEC short term soil	29.5 mg/kg (Aquatic organisms)
PNEC short term sea water sediment	3.04 mg/kg (Aquatic organisms)
PNEC short term, intermittent releases	21 mg/l (Aquatic organisms)

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

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- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **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.
If the workplace limit value is reliably complied with (e.g. by adequate ventilation at the workplace or by a stationary extraction device at the workpiece), respiratory protection (in accordance with DIN EN 137) is not required.
- **Hand protection**



Protective gloves

- **Material of gloves**
EVOH - ethylene vinyl alcohol plastic
PVC or PE gloves
- **Penetration time of glove material**
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **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
- **Melting point/freezing point:** Undetermined
- **Boiling point or initial boiling point and boiling range** -25 °C
- **Flammability** Not applicable
- **Lower and upper explosion limit**
- Lower: Not determined
- Upper: Not determined
- **Flash point:** <-41 °C
- **Auto-ignition temperature:** 365 °C
- **Decomposition temperature:** Not determined
- **pH** Not determined

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· Viscosity:	
Kinematic viscosity at 40 °C	>20.5 mm²/s
Dynamic:	Not determined
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined
· Vapour pressure at 20 °C:	3,000-6,000 hPa
· Density and/or relative density	
· Density at 20 °C:	0.75 g/cm³
· Relative density	Not determined
· Density (@15°C)	Not determined
· Vapour density	Not determined
· 9.2 Other information	
· Appearance:	
· Form:	Aerosol
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Solvent content:	
· Organic solvents:	≥36-<80 %
· VOC (EC)	554.0 g/l
· Solids content:	35.0 %
· 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

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· **Desensitised explosives**

Void

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** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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.

· **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Inhalative	LC50(4h) o. Zuordnung	>34.4-≤68.8 mg/l (rat)
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115-10-6 dimethyl ether

Oral	LD50	3,500 mg/kg (rat)
Inhalative	LC50(4h) o. Zuordnung	17.2 mg/l (rat)

Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 (4h)	>20 mg/l (rat)

67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)
Inhalative	LC50 (4h)	76 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **Aspiration hazard** May be fatal if swallowed and enters airways.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

- **Other information** No further relevant information available.

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

115-10-6 dimethyl ether

LC50 (96h) mg/ltr.	>4,000 mg/ltr (Fish)
LC50 (48h) mg/ltr	>4,000 mg/ltr (daphnia)
EC50 (96h) mg/ltr	155 mg/ltr (algae)

Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan

LC50 (48h) mg/ltr	>1 mg/ltr (Fish)
EC50 (48h)	3 mg/l (daphnia)
EC50 (96h) mg/ltr	13.4 mg/ltr (rainbow trout)

67-64-1 acetone

LC50 (96h) mg/ltr.	8,300 mg/ltr (Fish)
LC50 (48h) mg/ltr	8,450 mg/ltr (daphnia)
EC50 (48h)	8,800 mg/l (Daphnia magna)
EC50 (96h) mg/ltr	7,200 mg/ltr (algae)
NOEC	4,740 mg/l (Pseudokirchneriella subcapitata)
	2,212 mg/l (daphnia)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **LogP(ow)**

67-64-1	acetone	-0,24
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· **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** No further relevant information available.

· **Remark:** Toxic for fish

· **Additional ecological information:**

· **General notes:**

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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household waste. Do not allow product to reach sewage system.

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- **Waste disposal key:**
Full or opened pressurised containers: 16 05 04 or 15 01 10
Empty containers, unpressurised with open diaphragm and valve: 15 01 04
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be carried out 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 · IMDG, IATA	3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (ACETONE, Hydrocarbons, C6-C7, isoalkanes, cyclic, <5% n-hexane) CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (ACETONE, Hydrocarbons, C6-C7, isoalkanes, cyclic, <5% n-hexane)
· 14.3 Transport hazard class(es) · ADR  · Class · Label	2 8F Gases. 2.1
· IMDG, IATA  · Class · Label	2 Gases. 2.1
· 14.4 Packing group · ADR, IMDG, IATA	not regulated
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: Hydrocarbons, C6-C7, isoalkanes, cyclic, <5% n-hexane
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category · Stowage Code	Warning: Gases. 23 F-D,S-U D SW2 Clear of living quarters.

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· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	B/D
· IMDG	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (ACETONE, HYDROCARBONS, C6-C7, ISOALKANES, CYCLIC, <5% N-HEXANE), 2.1

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)**

None of the ingredients is listed.

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

67-64-1 acetone

Listed

· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

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

· **Seveso category**

P3a FLAMMABLE AEROSOLS

E2 Hazardous to the Aquatic Environment

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

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

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

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SECTION 16: Other information

· **Disclaimer**

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

· **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.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H330 Fatal if inhaled.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.
 EUH066 Repeated exposure may cause skin dryness or cracking.

· **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)
 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 ATE: Acute toxicity estimate values
 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
 Acute Tox. 1: Acute toxicity – Category 1
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – 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

· *** Data compared to the previous version altered.**