

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: GlyAcid 70 HP

Revision Date: 26.06.2024

Replaces version from: 26.06.2024

Version: 6.0/en

Print date: 26.06.2024



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

1.1 Product identifier

UN 3265, ACIDE GLYCOLIQUE 70%

Commercial Product Name

GlyAcid 70 HP

Unique Formulation Identifier (UFI) France : RMM7-8UNH-RE0P-T9M5

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

Relevant identified uses

Cosmetics, personal care products

Recommended restrictions

No information available.

1.3 Details of the supplier of the safety data sheet

Company designation

Berg + Schmidt GmbH & Co. KG
An der Alster 81
20099 Hamburg
Telephone: + 40 (0) 40 / 284 039-11
Email: sds@berg-schmidt.de
Internet: www.solutions.berg-schmidt.de

1.4 Emergency telephone number

Emergency telephone number

+49-(0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute Tox. 4; H332 Skin Corr. 1B; H314 Eye Dam. 1; H318

2.2 Label elements

Hazard pictogram



GHS05



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label

Glycolic acid

H-statement(s)

H314: Causes severe skin burns and eye damage.
H332: Harmful if inhaled.

P-statement(s)

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash Skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P363: Wash contaminated clothing before reuse.
P405: Store locked up.
P501: Contain and dispose of waste according to local regulations.

2.3 Other hazards

Article 59(1) - endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria. This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Hazard precautions

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Ingredient	Numbers	Classification (EC) 1272/2008	Concentration
*Glycolic acid	CAS No.: 79-14-1 EC-No.: 201-180-5 REACH No.: 01-2119485579-17	Acute Tox. 4; H332 Skin Corr. 1B; H314 Eye Dam. 1; H318	70.0 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Remove affected person from the danger area and lay down.
Change contaminated, saturated clothing.
Do not leave affected person unattended.

If inhaled

Remove person to fresh air and keep comfortable for breathing.

In case of skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

In case of eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

If swallowed

Do NOT induce vomiting.
Rinse mouth.
Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet
Dry extinguishing powder
Carbon dioxide (CO₂)
alcohol resistant foam

Extinguishing media which must not be used for safety reasons

Full water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation it

Do not use a waterjet to suppress the dispersion and spread of the fire.

5.3 Advice for firefighters

Special protective equipment for fire-fighting

In case of fire: Wear self-contained breathing apparatus.

Additional information on firefighting

Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protection equipment.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Provide for sufficient ventilation, particularly in closed rooms.

6.2 Environmental precautions

Environmental precautions

Avoid release to the environment.
Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Clean contaminated articles and floor according to the environmental legislation.

6.4 Reference to other sections

Reference to other sections

See protective measures under point 7 and 8.
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

It is recommended to design all work processes always so that the following is excluded:
Inhalation
dermal
Eye contact
oral
Take precautionary measures against static discharges.

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Precautions

Carefully handle the substance to minimise releases.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements

Provide for retaining containers, e.g. floor pan without outflow.
Keep container tightly closed in a cool place.
Store in a dry place.
Protect from heat and direct sunlight.

German storage class

8 B

Advice on protection against fire and explosion

Usual measures for fire prevention.

7.3 Specific end use(s)

Specific use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Eye protection

Wear eye glasses with side protection according to EN 166.

Skin and body protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

General protective and hygiene measures

Technical measures and the application of suitable work processes have priority over personal protection equipment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

colourless

Odour

characteristic

Melting point [°C] / Freezing point [°C]

No data available

Boiling point [°C]

No data available

Flammability (solid, gas)

No data available

Explosion limits [Vol-%]

Lower limit

No data available

Explosion limits [g/m³]

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Lower limit	No data available
Flash point [°C]	> 100
Ignition temperature [°C]	No data available
Decomposition temperature [°C]	No data available
pH	0.9 - 1.0
Concentration	50% Aqueous solution
Viscosity, kinematic [mm²/s]	No data available
Viscosity, dynamic [kg/(m*s)]	No data available
Solubility	No data available
Partition coefficient n-octanol /water (log P O/W)	No data available
Vapour pressure [kPa]	No data available
Density [g/cm³]	1.27
Relative density	No data available
Relative vapour density (air=1)	No data available
particle properties	No data available

9.2 Other information

9.2.1 Information on physical hazard classes

Other information No data available

9.2.2 Other safety-related parameters

Other information No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Chemical stability The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Hazardous reactions No information available.

10.4 Conditions to avoid

Conditions to avoid Avoid high temperatures or direct sunlight.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

Materials to avoid Keep away from strongly acidic and alkaline materials as well as oxidizers.

10.6 Hazardous decomposition products

Hazardous decomposition products Decomposition products in case of fire: see section 5.

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SECTION 11: Toxicological information

11.1 Information on the hazard classes within the meaning of Regulation (EU) No. 1272/2008

Oral toxicity [mg/kg]

Hazardous ingredients

Glycolic acid				
Value	Test criterion	Test species	Measuring method	Remarks
2040	LD50	Rat	EPA OPP 81-1	Source: ECHA

Dermal toxicity [mg/kg]

No information available.

Inhalative toxicity [mg/l]

Hazardous ingredients

Glycolic acid				
Value	Test criterion	Test species	Exposure duration [h]	Note
3.6	LC50	Rat	4	Source: ECHA

Irritant effect on skin

Hazardous ingredients

Glycolic acid			
Value	Measuring method	Test species	Remarks
corrosive	OECD 404	Rabbit	Source: ECHA

Irritant effect on eyes

Hazardous ingredients

Glycolic acid			
Value	Measuring method	Test species	Remarks
corrosive	OECD 405	Rabbit	Source: ECHA

Sensitization

Hazardous ingredients

Glycolic acid			
Value	Measuring method	Test species	Remarks
GHS/CLP criteria are not met.	OECD 406	Guinea pig	Source: ECHA

Mutagenicity

No information available.

Carcinogenic effects

No information available.

Reproduction toxicity

No information available.

Specific target organ toxicity (single exposure) [mg/kg]

Route of exposure

No information available.

Specific target organ toxicity (repeated exposure) [mg/kg]

Route of exposure	No information available.
Aspiration hazard	
experience	No information available.
ATE (mix)	
inhalativ gas [ppmV]	6428,57
inhalative vapor [mg/l]	15,71

11.2 Information about other hazards

Endocrine disrupting properties This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish [mg/l]					
Hazardous ingredients					
Glycolic acid					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Remarks
164	LC50	Pimephales promelas (fathead minnow)	US EPA Pesticide Assessment Guidelines Subdivision E, 72-2	96	Source: ECHA

Toxicity to daphnia [mg/l]					
Hazardous ingredients					
Glycolic acid					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Remarks
141	EC50	Daphnia magna (Big water flea)	OECD 201	24	Source: ECHA

Toxicity to algae [mg/l]					
Hazardous ingredients					
Glycolic acid					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Remarks
44	EC50	Pseudokirchneriella subcapitata	OECD 201	72	Source: ECHA

12.2 Persistence and degradability

Biodegradability	
Hazardous ingredients	
Glycolic acid	
Value	Remarks

Readily biodegradable.	OECD 301B, Source: ECHA
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12.3 Bioaccumulative potential

Bioaccumulation

No information available.

12.4 Mobility in soil

Mobility

Mobility

No information available.

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

Harmful effects on the environment

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other harmful effects

Environmental hazards

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods




Disposal considerations

The waste code has to be identified in agreement with the disposal company or the competent authority.
Contain and dispose of waste according to local regulations.

Uncleaned empty packaging

Dispose according to legislation.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	3265	3265	3265
14.3 Transport hazard class(es)	8	8	8
14.4 Packaging group	II	II	II
14.2 Description of the goods	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	Corrosive liquid, acidic, organic, n.o.s.
Danger releasing substance	Glykolsaeure	Glykolsaeure	Glykolsaeure
Labels	8 	8 	8 
Risk No.	80		
Category	2		
Classification Code	C3		
Tunnel restriction code	E		
UN proper shipping name	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glykolsaeure)	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glykolsaeure)	UN 3265 Corrosive liquid, acidic, organic, n.o.s. (Glykolsaeure)
EmS		F-A;S-B	
Stowage category		B	

- 14.6 Special precautions for user

* Precautions

Make sure that persons transporting the product know what to do in case of an accident or leakage.
- 14.7 Bulk transport by sea according to IMO instruments

* Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available.

SECTION 15: Regulatory information

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

Additional regulations

No further relevant information available.
- 15.2 Chemical safety assessment

Safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out: glycolic acid.

SECTION 16: Other information

- Modifications since last version

Modifications of the previous version are denoted with an asterisk (*).
- Relevant H-phrases

H304: May be fatal if swallowed and enters airways.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
- Wording of the hazard classes

Acute Tox.: Acute toxicity
Skin Corr.: Skin corrosion
Eye Dam.: Serious eye damage
- Classification for mixtures and used evaluation method according to r

Classification	Evaluation
Acute Tox. 4; H332	Calculated
Skin Corr. 1B; H314	Calculated
Eye Dam. 1; H318	Calculated

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.