

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

Commercial Product Name: GLYCOS® Clear 70
Article-No.: 4510008, 4510009, 4510010, 4510153
Revision Date: 27.11.2025
Version: 4.5/en



Replaces version from: 03.11.2025
Print date: 04.12.2025

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

1.1 Product identifier

Commercial Product Name **GLYCOS® Clear 70**

Designation acc. to 67/548/EEC / 1272/2008/EEC Glycolic acid

CAS no. 79-14-1

EC-No. 201-180-5

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

Relevant identified uses	Cosmetics, personal care products
Note	ERC 2,8a - PROC 1,2,3,4,5,7,8a,8b,9,14,15 - PC 28,39 - see exposure scenario 3, 4, 18, 21 Washing and cleaning products
Note	SU 3,21,22 - ERC 2,4,6b, 8a - PROC 1,2,3,4,5,7,8a,8b,9,10,11,13,14,15,19 - PC 14,15,35,37 - see exposure scenario 1, 2, 3, 6, 7, 13, 19, 22 Manufacture of pulp, paper and paper products
Note	SU 3 - ERC 2 - PROC 1,2,3,4,5,7,8a,8b,9,14,15 - PC 26 - see exposure scenario 1, 2, 3 Manufacture of textiles, leather, fur
Note	SU 3, 5 - ERC 2,4 - PROC 1,2,3,4,5,7,8a,8b,9,13,14,15 - PC 23,34 - see exposure scenario 1, 2, 3, 14 Ink and toners
Note	SU 3 - ERC 4 - PROC 1,2,3,4,5,7,8a,8b,10,13 - PC 9a,18 - see exposure scenario 15 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents
Note	SU 3, 5, 6a, 8, 9, 13 - ERC 2,4,6b - PROC 1,2,3,4,5,7,8a,8b,9,13,14,15,22 - PC 20 - see exposure scenario 1, 2, 3, 5, 9, 10, 11, 12, 14 Lubricants, greases, release products
Note	SU 3 - ERC 2 - PROC 1,2,3,4,5,7,8a,8b,9,14,15 - PC 24 - see exposure scenario 3 Laboratory chemicals
Note	SU 3 - ERC 2 - PROC 1,2,3,4,5,7,8a,8b,9,14,15 - PC 21 - see exposure scenario 1, 2, 3 NACE code C23.6.1
Note	ERC 2,8c,8d,8f - PROC 1,2,3,4,5,7,8a,8b,9,10,11,13,14,19 - PC 0 - see exposure scenario 1, 2, 3, 16, 17

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

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Revision Date: 27.11.2025
Version: 4.5/en



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Note	Polymer production ERC 2 - PROC 1,2,3,4,5,7,8a,8b,9,14,15 - PC 32 - see exposure scenario 1, 2, 3 Adhesives, sealants
Note	ERC 8c - PROC 3,5,8a,8b,10,11,13,14 - PC 1 - see exposure scenario 20 Semiconductors
Note	SU 3 - ERC 4 - PROC 1 - PC 33 - see exposure scenario 8 Fertilizers
Note	ERC 2,8a,8b,8d,8e - PROC 1,2,3,4,5,8a,8b,9,11,14,15 - PC 12 - see exposure scenario 25, 26 Use of intermediate
Note	SU 3 - ERC 6a - PROC 1,2,3 - see exposure scenario 27 Further information: see exposure scenarios attached to this safety data sheet.

1.3 Details of the supplier of the safety data sheet

Company designation	CABB GmbH Ludwig-Hermann-Str. 100 DE-86368 Gersthofen
Responsible Department	Telephone: +49 6196 9674 0 Telefax: +49 6196 9674 199 info@cabb-chemicals.com
E-mail (competent person)	hubert.reif@cabb-chemicals.com

1.4 Emergency telephone number

USA	+1 866 928 0789 (toll-free, US only)
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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 Met. Corr. 1; H290
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2.2 Label elements

Hazard pictogram



GHS05



GHS07

Signal word

Danger

H-statement(s)

H290: May be corrosive to metals.

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

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P-statement(s) H314: Causes severe skin burns and eye damage.
H332: Harmful if inhaled.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
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.
P501: Dispose of contents/container to . (Dispose of as special waste in compliance with local and national regulations.)

Labelling according to Regulation (EC) No. 1272/2008 [CLP] EUH071: Corrosive to the respiratory tract.

2.3 Other hazards

Hazard precautions This substance/mixture does not contain components at levels of 0.1% or higher, either classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).
The substance/mixture does not contain any components at levels of 0.1% or more that were included in the list established in accordance with Article 59(1) for having endocrine disrupting properties.
This substance/mixture does not contain any components at levels of 0.1% or higher that are identified as endocrine disrupting according to the criteria in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 .

SECTION 3: Composition/information on ingredients

Other data Notification status: AICS, DSL, ECL, EINECS, ENCS, IECSC, KECL, NZIoC, PICCS, SWISS, TCSI, TSCA.

Hazardous ingredients

Ingredient	Numbers	Classification (EC) 1272/2008	Concentration
Glycolic acid	CAS No.: 79-14-1 EC-No.: 201-180-5	Skin Corr. 1B; H314 Acute Tox. 4; H332 Met. Corr. 1; H290	70.0 - 72.0 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice Remove and wash contaminated clothing before re-use.
In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Show this safety data sheet to the doctor in attendance.
First aider needs to protect himself.

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

Commercial Product Name: GLYCOS® Clear 70
Article-No.: 4510008, 4510009, 4510010, 4510153
Revision Date: 27.11.2025
Version: 4.5/en



Replaces version from: 03.11.2025
Print date: 04.12.2025

If inhaled	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician immediately. Show this safety data sheet to the doctor in attendance.
In case of skin contact	Wash off with plenty of water. Call a physician immediately.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Show this safety data sheet to the doctor in attendance. Prevent vomiting if possible. Immediately give large quantities of water to drink.
Notes to physician	Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	Causes severe skin burns and eye damage.
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4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention	First Aid, decontamination, treatment of symptoms.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	No data available
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5.3 Advice for firefighters

Special protective equipment for firefighting	Personal protection through wearing a tightly closed chemical protection suit and a self-contained breathing apparatus.
Additional information on firefighting	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

Commercial Product Name: GLYCOS® Clear 70
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Revision Date: 27.11.2025
Version: 4.5/en



Replaces version from: 03.11.2025
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment. For personal protection see section 8.
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6.2 Environmental precautions

Environmental precautions	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers. Dispose of as special waste in compliance with local and national regulations. Clean contaminated floors and objects thoroughly while observing environmental regulations.
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6.4 Reference to other sections

Reference to other sections	Safe handling: see section 7 For personal protection see section 8. Disposal: see section 13
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	Provide good ventilation.
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7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements	Store at room temperature in the original container. Metal containers must be lined.
Hints on storage assembly	Keep away from food, drink and animal feeding stuffs.
Storage specifications	Keep containers tightly closed in a dry, cool and well-ventilated place.
German storage class	8B
Advice on protection against fire and explosion	Normal measures for preventive fire protection.

7.3 Specific end use(s)

Specific use(s)	see section 1.2
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Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: GLYCOS® Clear 70
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Revision Date: 27.11.2025
Version: 4.5/en



Replaces version from: 03.11.2025
Print date: 04.12.2025

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Glycolic acid

DNEL	Target group	Exposure route	Source
9,2 mg/m ³	DNEL worker	DNEL acute inhalative (local) / DNEL acute inhalative (sys- temic)	Company data
1,53 mg/m ³	DNEL worker	DNEL long-term inhalative (local)	Company data
58 mg/kg bw	DNEL worker	DNEL long-term dermal (sys- temic)	Company data
medium hazard	DNEL worker	DNEL long-term dermal (lo- cal); DNEL acute dermal, short-term (local)	Company data
0,75 mg/kg/bw	DNEL Consumer	DNEL long-term oral (repeat- ed)	Company data
29 mg/kg bw/day	DNEL Consumer	DNEL long-term dermal (sys- temic)	Company data
medium hazard	DNEL Consumer	DNEL long-term dermal (lo- cal); DNEL acute dermal, short-term (local)	Company data
2,3 mg/m ³	DNEL Consumer	DNEL acute inhalative (local) / DNEL acute inhalative (sys- temic)	Company data

PNEC	Target group	Source
2,67 mg/L	PNEC sewage treatment plant (STP)	Company data

8.2 Exposure controls

Hand protection	Suitable material: Chloroprene
Material thickness	min. 0,6 mm
Break through time	> 480 min
Note	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Eye protection	Tightly fitting safety goggles Face-shield
Skin and body protection	Wear suitable protective equipment.
General protective and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Keep away from food, drink and animal feedingstuffs. Do not inhale aerosol.

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

Commercial Product Name: GLYCOS® Clear 70
Article-No.: 4510008, 4510009, 4510010, 4510153
Revision Date: 27.11.2025
Version: 4.5/en



Replaces version from: 03.11.2025
Print date: 04.12.2025

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	odourless
Boiling point [°C]	110 - 120
Pressure	1013 hPa 110 - 120 °C
Flammability	Not applicable
Explosion limits [Vol-%]	
Remarks	Not applicable
Flash point [°C]	Not combustible.
Decomposition temperature [°C]	no data available
pH	1,0 - 1,5
Temperature [°C]	20 °C
Concentration	700 g/l
Viscosity, dynamic [kg/(m s)]	no data available
Water solubility [g/l]	completely miscible
Partition coefficient n-octanol /water (log P O/W)	-1,11
Vapour pressure [kPa]	There are no data available on the mixture itself.
Density [g/cm³]	approx. 1,28
Temperature [°C]	20 °C
Relative density of a vapour / air mixture (saturated)	Not applicable

9.2 Other information

9.2.2 Other safety-related parameters

Evaporation rate [kg/(s m²)]	No data available
Miscibility with water	completely miscible
Form	liquid

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

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Article-No.: 4510008, 4510009, 4510010, 4510153
Revision Date: 27.11.2025
Version: 4.5/en



Replaces version from: 03.11.2025
Print date: 04.12.2025

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 dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid May be corrosive to metals.

10.5 Incompatible materials

Materials to avoid Strong bases
Metals

10.6 Hazardous decomposition products

Hazardous decomposition products No data available

SECTION 11: Toxicological information

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

Oral toxicity [mg/kg]	2040
Test criterion	LD50
Test species	rat
Dermal toxicity [mg/kg]	no data available
LC50 Inhalation 4h for dusts and sprays [mg/l]	3,6
Test criterion	LC50
Test species	Rat
Remarks	OECD 403
Exposure duration [h]	4
Subacute, subchronic, chronic toxicity	150 mg/kg bw/day
Measuring method	OECD TG 408

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

Commercial Product Name: GLYCOS® Clear 70
Article-No.: 4510008, 4510009, 4510010, 4510153
Revision Date: 27.11.2025
Version: 4.5/en



Replaces version from: 03.11.2025
Print date: 04.12.2025

Test criterion	NOAEL
Test species	rat
Exposure duration [h]	90 d
Route of exposure	oral 230 mg/m3
Measuring method	Limit Test.
Test criterion	NOAEC
Test species	rat
Exposure duration [h]	14 d
Route of exposure	inhalative
Irritant effect on skin	corrosive effects
Irritant effect on eyes	corrosive effects
Sensitization	No sensitization responses were observed.
Mutagenicity	In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects
Carcinogenic effects	Did not show carcinogenic effects in animal experiments.
Reproduction toxicity	No toxicity to reproduction
Specific target organ toxicity (single exposure) [mg/kg]	
Remarks	No data available
Specific target organ toxicity (repeated exposure) [mg/kg]	
Remarks	No data available
Aspiration hazard	
Evaluation	No data available

11.2 Information about other hazards

Endocrine disrupting properties	No data available
Other information	Information refers to the main component.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish [mg/l]	> 100
Test criterion	LC50

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

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Version: 4.5/en



Replaces version from: 03.11.2025
Print date: 04.12.2025

Test species	Oncorhynchus mykiss
Measuring method	OECD 203
Exposure duration [h]	96
Toxicity to daphnia [mg/l]	> 100
Test criterion	EC50
Test species	Daphnia magna
Exposure duration [h]	48 h
Measuring method	OECD Test Guideline 202
Toxicity to algae [mg/l]	> 100
Test criterion	LC50
Test species	Raphidocelis subcapitata
Exposure duration [h]	72 h
Measuring method	OECD Test Guideline 201
NOEC (fish) [mg/l]	No data available
NOEC (daphnia) [mg/l]	> 90
Test criterion	NOEC
Test species	Daphnia magna (Big water flea)
Measuring method	OECD 211
Exposure duration [h]	21 d
NOEC (algae) [mg/l]	> 100
Test criterion	NOEC
Test species	Raphidocelis subcapitata
Exposure duration [h]	72

12.2 Persistence and degradability

Biodegradability	Readily biodegradable.
Measuring method	OECD Test Guideline 301B / 301 D

12.3 Bioaccumulative potential

Bioaccumulation	Does not bioaccumulate.
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12.4 Mobility in soil

Mobility	
Mobility	No data available

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

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Revision Date: 27.11.2025
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12.5 Results of PBT and vPvB assessment

Results of PBT characteristics de-termination This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Endocrine disrupting properties

Harmful effects on the environ-ment No data available

12.7 Other harmful effects

Toxicity to bacteria [mg/l]	100
Test criterion	NOEC
Test species	Activated sludge
Measuring method	OECD 209
Exposure duration [h]	3 267
Test criterion	EC50
Test species	Activated sludge
Measuring method	OECD 209
Exposure duration [h]	3

Further information on ecology Information refers to the main component.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations	Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Can be incinerated, when in compliance with local regulations.
Uncleaned empty packaging	Dispose of as unused product.

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.	Ätzende Flüssigkeit, sauer, organisch, n.a.g.
Danger releasing substance	Glycolic acid	glycolic acid	glycolic acid
Labels	8 	8 	8 

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

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	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
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. (Glycolic acid)	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (glycolic acid)	UN 3265 Corrosive liquid, acidic, organic, n.o.s. (glycolic acid)
EmS		F-A;S-B	
Stowage category		B	

CFR 49 - Code of Federal Regulations (US)

UN-No	3265
Transport hazard class(es)	8
Packaging group	II
Description of the goods	Corrosive liquid, acidic, organic, n.o.s.
Danger releasing substance	Glycollic Acid
Labels	8
Environmental hazards	0: Non-marine pollutant

TDG - Transport of Dangerous Goods (Canada)

UN-No	3265
Transport hazard class(es)	8
Packaging group	II
Description of the goods	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Danger releasing substance	Glycollic acid
Labels	8
Environmental hazards	0: Non-marine pollutant

SECTION 15: Regulatory information

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

Additional regulations Take note of Dir 94/33/EC on the protection of young people at work.
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

TA Luft List (Germany)

Transport hazard class(es)	5.2.5
Water Hazard Class (Ger.)	1

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

Commercial Product Name: GLYCOS® Clear 70
Article-No.: 4510008, 4510009, 4510010, 4510153
Revision Date: 27.11.2025
Version: 4.5/en



Replaces version from: 03.11.2025
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Identification number	4553
Remarks	slightly water endangering

15.2 Chemical safety assessment

Safety assessment	For this substance a chemical safety assessment has been carried out.
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SECTION 16: Other information

Modifications since last version	(M)SDS sections updated: 1, 2, 4, 5, 6, 8, 10, 12
Relevant H-phrases	H290: May be corrosive to metals. 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 Eye Dam.: Serious eye damage
Department issuing safety data sheet	Dr. Hubert Reif / HSEQ (+49 821 479 2555)

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.